Genie®
A TEREX COMPANY

Parts Manual

Serial Number Range

GTH-636

from GTH0606A-8418

Part No. 97499
Rev A
March 2006

Technical Publications

Genie Industries has endeavored to deliver the highest degree of accuracy possible. However, continuous improvement of our products is a Genie policy. Therefore, product specifications are subject to change without notice.

Readers are encouraged to notify Genie of errors and send in suggestions for improvement. All communications will be carefully considered for future printings of this and all other manuals.

Contact Us:

www.genieindustries.com
e-mail: techsup@genieind.com

Copyright © 2006 by Genie Industries

97499 Rev A March 2006
First Edition, First Printing

"Genie" is a registered trademark of Genie Industries in the USA and many other countries.
"GTH" is a trademark of Genie Industries.

Printed on recycled paper

Printed in U.S.A.

How to Read Your Serial Number

Genie
A TEREX COMPANY

Genie Industries
18340 NE 76th Street
Redmond, WA 98052
USA

MODEL: GTH636

SERIAL NUMBER: GTH0606A-1234

ATTACHMENT:

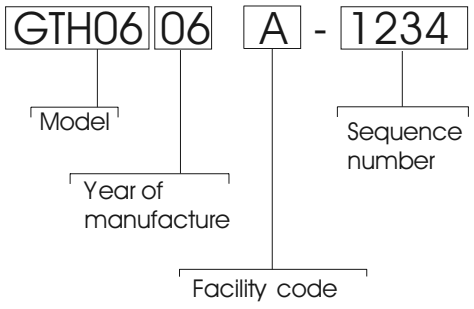
MANUFACTURE DATE: 02/20/06

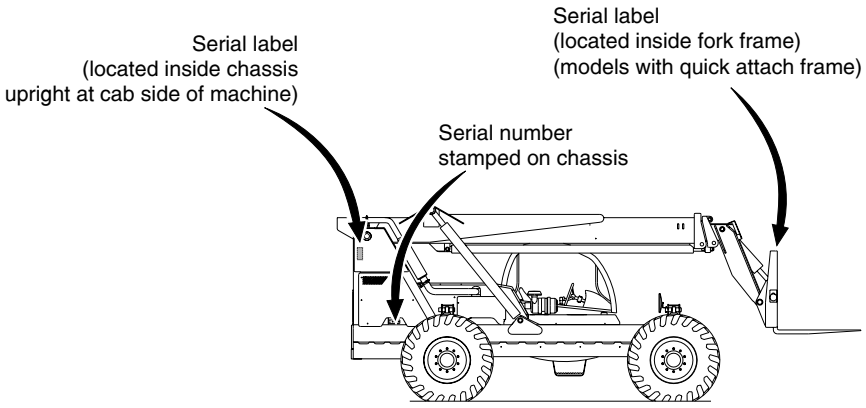
TOTAL TRUCK WEIGHT(LBS): 22,010lbs / 9,984kg

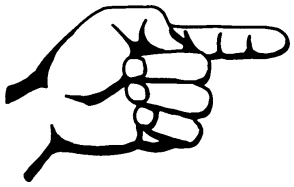
MAX LIFT CAPACITY(LBS):
8000 LBS

LIFT CAPACITY(LBS)
AT MAX LIFT HEIGHT: 6000 LBS
OUTRIGGERS UP: N/A
OUTRIGGERS DOWN: N/A

THIS FORKLIFT TRUCK COMPLIES WITH:
ASME B56.6-2002 SAFETY STD FOR ROUGH TERRAIN FORKLIFT TRUCK







This page intentionally left blank.

Table of Contents

This manual is updated frequently. Each parts figure listed below has a figure number and a revision letter. If a figure is updated with new information, the revision letter or 'Rev' is updated (example: from Rev A to Rev B).

Figure	Rev	Description
101.1	B	Decals

If you have a printed manual, you can keep it up to date by downloading new figures from the Genie website at www.genieindustries.com.

How to Read Your Serial Number ..... *iii*

Parts Stocking List ..... *vii*

How To Order Parts ..... *viii*

Order Form ..... *ix*

Electronic Version

Click on the figure description below to view the figure.

100 • Decals

101.1 A Decals, View 1

102.1 A Decals, View 2

200 • Drive Chassis Components

201.1 A Power Train Assembly, JD-4045 Tier II

202.1 A Drive Shaft Assembly, Front and Rear

203.1 A Fuel Tank Assembly

204.1 A Battery Box Assembly

205.1 A General Assembly

206.1 A Engine Enclosure Assembly

300 • Engine Components

301.1 A Engine and Pump Assembly, JD-4045 Tier II

302.1 A Exhaust Assembly, JD-4045 Tier II

303.1 A Air Cleaner Assembly, JD-4045 Tier II

304.1 A Starter Relay/Sender Assembly, JD-4045 Tier II

400 • Cab Components

401.1 A Operator's Compartment Assembly, View 1

402.1 A Operator's Compartment Assembly, View 2

403.1 A Foot Brake Assembly

404.1 A Accelerator Assembly

405.1 A Instrument Panel Assembly

406.1 A 4-Way Controller Assembly

500 • Boom Components

501.1 A Boom Assembly, View 1

502.1 A Boom Assembly, View 2

503.1 A Boom Assembly, View 3

504.1 A Boom Assembly, View 4

505.1 A Boom Assembly, View 5

506.1 A Boom Assembly, View 6

507.1 A Boom Assembly, View 7

508.1 A Boom Assembly, View 8

509.1 A Boom Assembly, View 9

510.1 A Boom Assembly, View 10

Table of Contents continues on next page.

Table of Contents

600 • Hydraulic Hoses and Fittings

601.1 A Circuit, Pump, Oil Reservoir
602.1 A Circuit, Lift-tilt
603.1 A Circuit, Boom
604.1 A Circuit, 4-Way Controller
605.1 A Circuit, Steering
606.1 A Circuit, Sway
607.1 A Circuit, Parking Brake
608.1 A Circuit, Pressure Checks
609.1 A Circuit, Brake
610.1 A Circuit, Oil Cooler
611.1 A Circuit, Fuel

700 • Hydraulic Components

701.1 A Lift Cylinder
702.1 A Tilt Cylinder
703.1 A Boom Cylinder
704.1 A Sway Cylinder
705.1 A Motion Valve, Base Tilt Cylinder
706.1 A Motion Valve, Head Tilt Cylinder
707.1 A Motion Valve, Boom Cylinder
708.1 A Motion Valve, Base Lift Cylinder
709.1 A Dual Pilot Check Valve
710.1 A Orbitral Assembly
711.1 A Selector Valve, Steering
712.1 A Return Filter Assembly
713.1 A Control Block Assembly
714.1 A Main Valve Assembly
715.1 A Hydraulic Pump Assembly, View 1
716.1 A Hydraulic Pump Assembly, View 2
717.1 A Electric Valve, 4-Way
718.1 A Electric Valve Assembly, 4-Way
719.1 A Controller Relief Valve

800 • Accessories

801.1 A Fully Enclosed Cab Assembly, View 1
802.1 A Fully Enclosed Cab Assembly, View 2
803.1 A Fork Frame Rotate Assembly
804.1 A Rotate Cylinder Assembly
805.1 A Dual Pilot Check Valve
806.1 A Circuit, Fork Rotate
807.1 A Hose Roller Assembly

Parts Stocking List

Required Parts

The following parts are required to perform maintenance procedures as outlined in the *Genie GTH-636 Service Manual.*

Description	Part No.
Hydraulic Return Filter	7-118-01
Element - Hydraulic Return Filter	7-118-02
Primary Filter	7-109-04
Safety Filter	7-109-14
Transmission Oil Filter	7-126-349
Engine Oil Filter, JD4045T	7-183-184
Engine Fuel Filter, JD4045T	7-183-45
Maintenance Manual, Dana 212 Axle	97488
Maintenance Manual, Dana T12000 Trans.	97489
Operator's Manual, Deutz 2012	97490
Workshop Manual, Deutz 2012	97491
Operator's Manual, JD4045T	97492
Workshop Manual, JD4045T	97493

Recommended Parts

Description	Part No.
Genie Gray Paint, 12 Ounce / 355 ml Aerosol	1268
Genie Blue Paint, 12 Ounce / 355 ml Aerosol	1484
Genie Blue Paint, 1 Gallon / 3.78 liters	32150
Genie Gray Paint, 1 Gallon / 3.78 liters	32151

Manuals

Genie Industries offers the following support documents for these models:

Title	Part No.
Genie GTH-636 Operator's Manual, 2nd Edition	114104
Genie GTH-636 Service Manual, 1st Edition	108969
EMI Safety Manual	27581
Manual of Responsibilities ANSI A92.6-1990	44163

How To Order Parts

Please be prepared with the following information when ordering replacement parts for your Genie product:

- ☑ Machine model number
- ☑ Machine serial number
- ☑ Genie part number
- ☑ Part description and quantity
- ☑ Purchase order number
- ☑ "Ship to" address
- ☑ Desired method of shipment
- ☑ Name and telephone number of the authorized Genie Distributor in your area

Use the Service Parts Fax Order Form on the next page and fax your order to our Parts Department.

If you don't know the name of your authorized distributor, or if your area is not currently serviced by an authorized distributor, please call Genie Industries.

Machine Information

Model

Serial Number

Date of Purchase

Authorized Genie Distributor

Phone Number

Genie North America
Telephone (425) 556-6551
Toll Free (877) 367-5606 in U.S.A. and Canada
Fax (425) 556-8659

Genie UK
Parts Telephone (44) (0) 1476 584352
Parts Fax (44) (0) 1476 584340

Genie Australia
Parts Telephone (617) 03375 1660
Parts Fax (617) 03375 1002

Genie France
Parts Telephone (33) (0) 237 26 09 99
Parts Fax (33) (0) 237 31 50 10

Genie Germany
Parts Telephone (49) (0) 4202 885223
Parts Fax (49) (0) 4202 885225

Genie Scandinavia
Parts Telephone (46) (31) 3409612
Parts Fax (46) (31) 3409613

Genie Iberica
Parts Telephone (34) (93) 5795042

Genie Brazil
Parts Telephone (55) (114) 1665755
Parts Fax (55) (114) 1665754

Genie Japan
Parts Telephone (81) (33) 4536082
Parts Fax (81) (33) 4536083

Genie China
Parts Telephone (86) (215) 3852570
Parts Fax (86) (215) 3852569

Genie
A TEREX COMPANY

Service Parts Fax Order Form

Fax to: (425) 556-8659 or Toll Free: 888-274-6192
International: +1-425-556-8659

Please fill out completely

Date _____ Account Number _____

Your Name _____ Your Fax Number _____

_____ Your Phone Number _____

Bill To _____ Ship To _____

_____ _____

_____ _____

_____ _____

Purchase Order Number _____ Ship Via _____

Model(s) _____ **Serial No.(s)** _____

Optional Equipment _____

Part Number	Description	Quantity	Price

All back-ordered parts will be shipped when available via the same ship method as the original order unless Noted below:

- ☐ Ship complete order only - No back orders
- ☐ Ship all available parts and contact customer on disposition of back-ordered parts
- ☐ Other (please specify)

FOR GENIE INDUSTRIES USE ONLY

Order Number _____ Origin Code _____ Comments _____

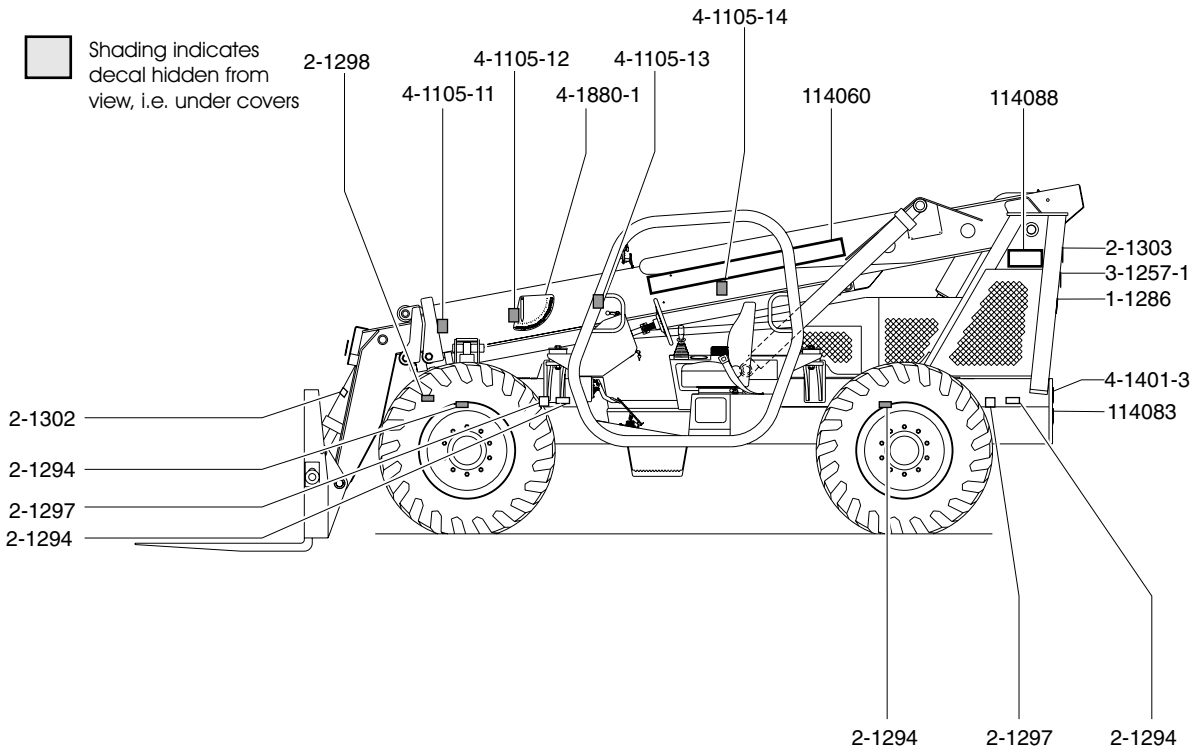
Date Scheduled _____ Ship Condition _____ _____

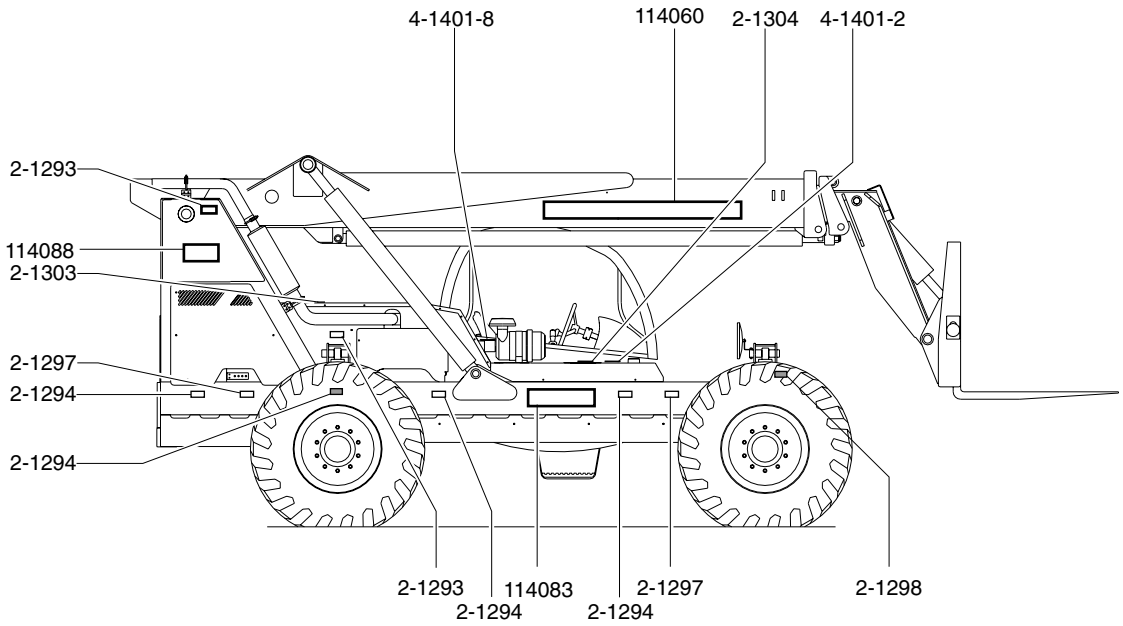
Order Total _____ Terms Code _____ _____

remove this page and make copies

remove this page and make copies

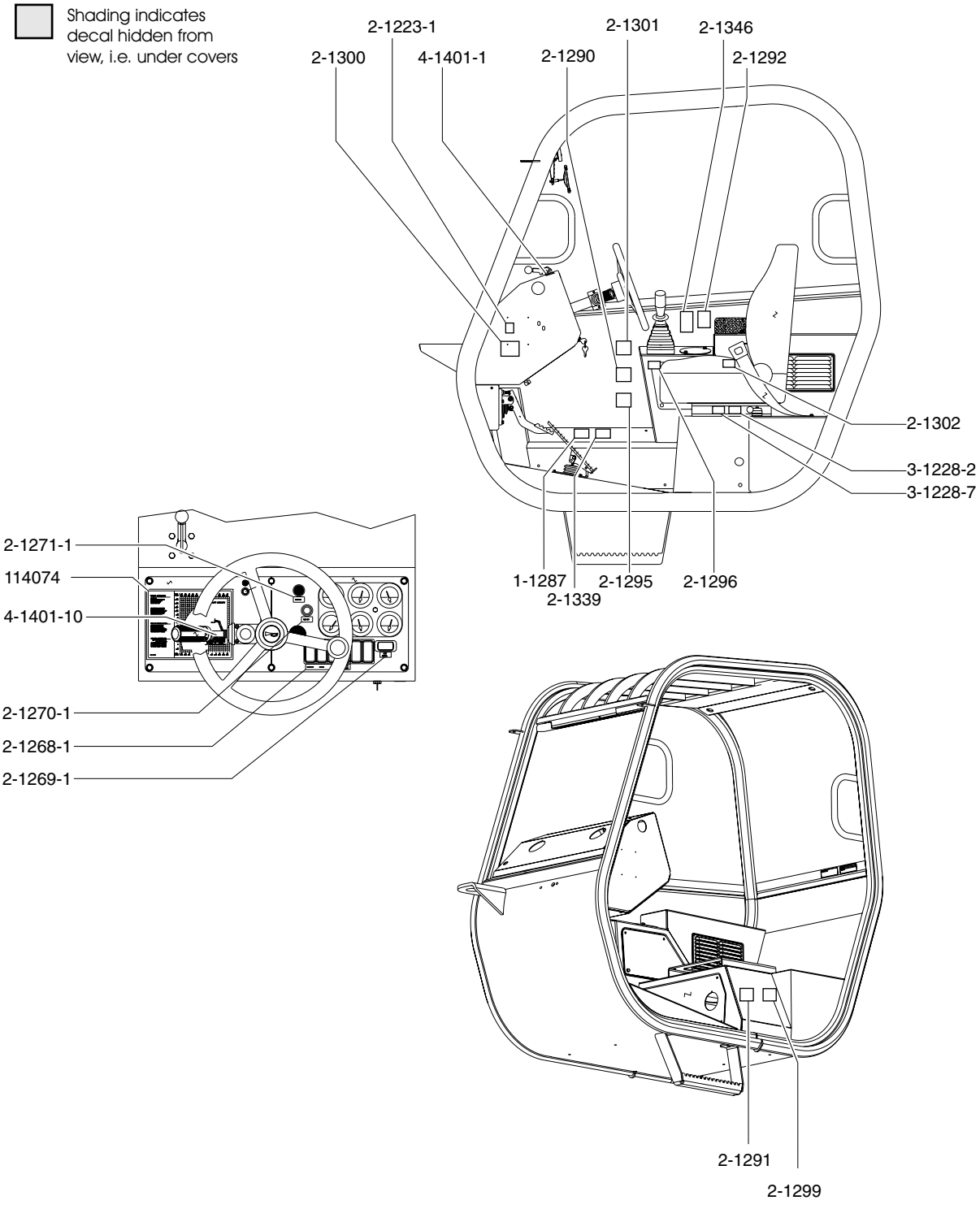
Figure	Rev	Description
101.1	A	Decals, View 1





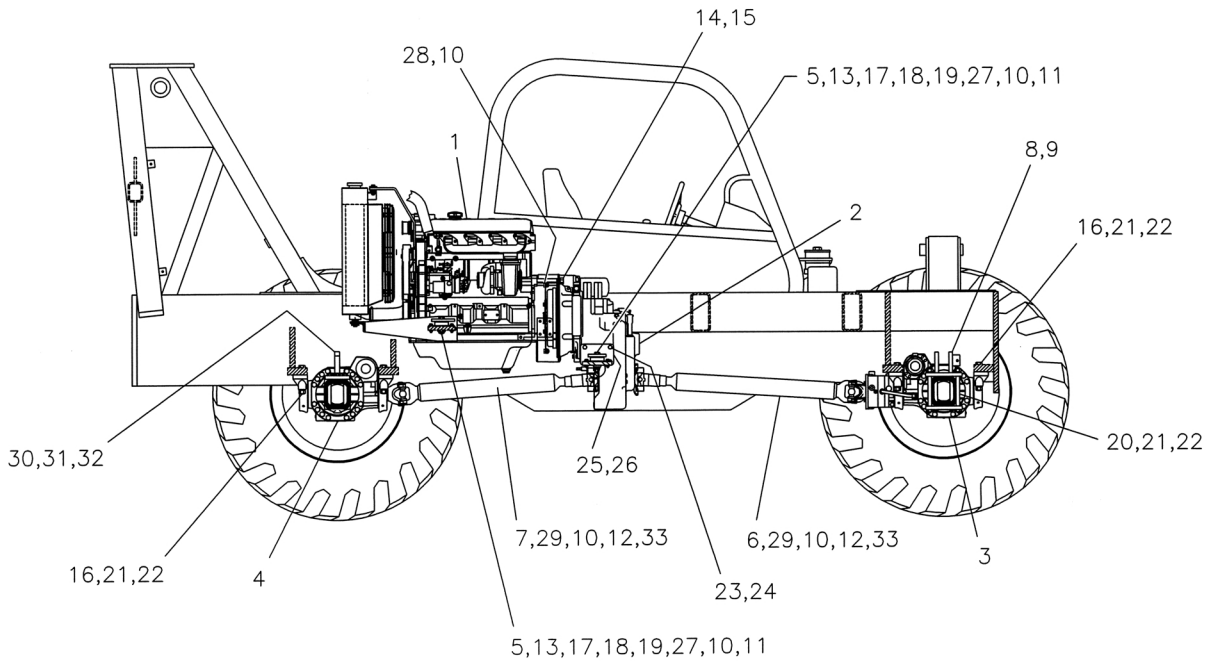
Item	Part No.	Description	Qty.
1	2-1298	Decal - Overhead Crush Hazard	1
2	4-1105-11	Decal - A	1
3	4-1105-12	Decal - B	1
4	4-1880-1	Decal - Boom Angle, White Letters	1
5	4-1105-13	Decal - C	1
6	4-1105-14	Decal - D	1
7	114060	Cosmetic - Genie GTH-644	2
8	114088	Decal - GTH-636	2
9	2-1303	Decal - Explosion-Burn Hazard, Fluids	2
10	3-1257-1	Decal - Hydraulic Oil Only	1
11	1-1286	Decal - Chevron Hydraulic Oil	1
12	4-1401-3	Decal - Hydraulic Oil Level	1
13	114083	Decal - Genie Logo	2
14	2-1294	Decal - Crush Hazard, Pinch Point	8
15	2-1297	Decal - Overturning Hazard, Tires	4
16	4-1401-2	Decal - Diesel Fuel	1
17	2-1304	Decal - Explosion, Burn Hazard-Acid	1
18	4-1401-8	Decal - Transmission Oil	1
19	2-1293	Decal - Burn Hazard	2
20	2-1302	Decal - Not A Man, Lift	2

Figure	Rev	Description
102.1	A	Decals, View 2



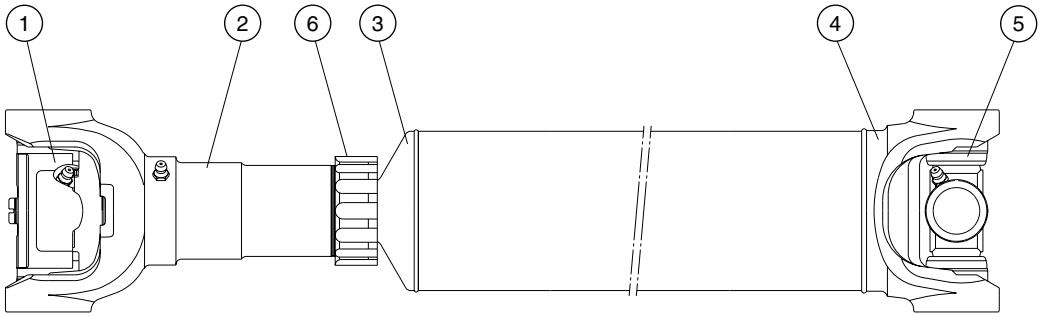
Item	Part No.	Description	Qty.
1	2-1300	Decal - Crush Hazard, No Riders	1
2	2-1223-1	Decal - Technical Support	1
3	4-1401-1	Decal - Steering Selector	1
4	2-1290	Decal - Falling Object Hazard	1
5	2-1301	Decal - Electrical Hazard	1
6	2-1346	Decal - 4-Way Control	1
7	2-1292	Decal - Read The Operators Manual	1
8	2-1302	Decal - Not A Man, Lift	2
9	3-1228-2	Decal - Brake On	1
10	3-1228-7	Decal - Brake Off	1
11	2-1296	Decal - Overturning Hazard, Sway	1
12	2-1295	Decal - Overturning Hazard	1
13	2-1339	Decal - Filter Guide, John Deere Tier II	1
14	1-1287	Decal - Daily Check List	1
15	2-1299	Decal - Crush Hazard, Parking Brake	1
16	2-1291	Decal - Always Use The Seat Belt	1
17	2-1269-1	Decal - Sway Control, Dash	1
18	2-1268-1	Decal - Dash Gang Switches	1
19	2-1270-1	Decal - Pump Off, Dash	1
20	4-1401-10	Decal - Transmission Control	1
21	114074	Decal - Load Chart , GTH-636	1
22	2-1271-1	Decal - Brake On, Dash	1

Figure	Rev	Description
201.1	A	Power Train Assembly, JD-4045 Tier II



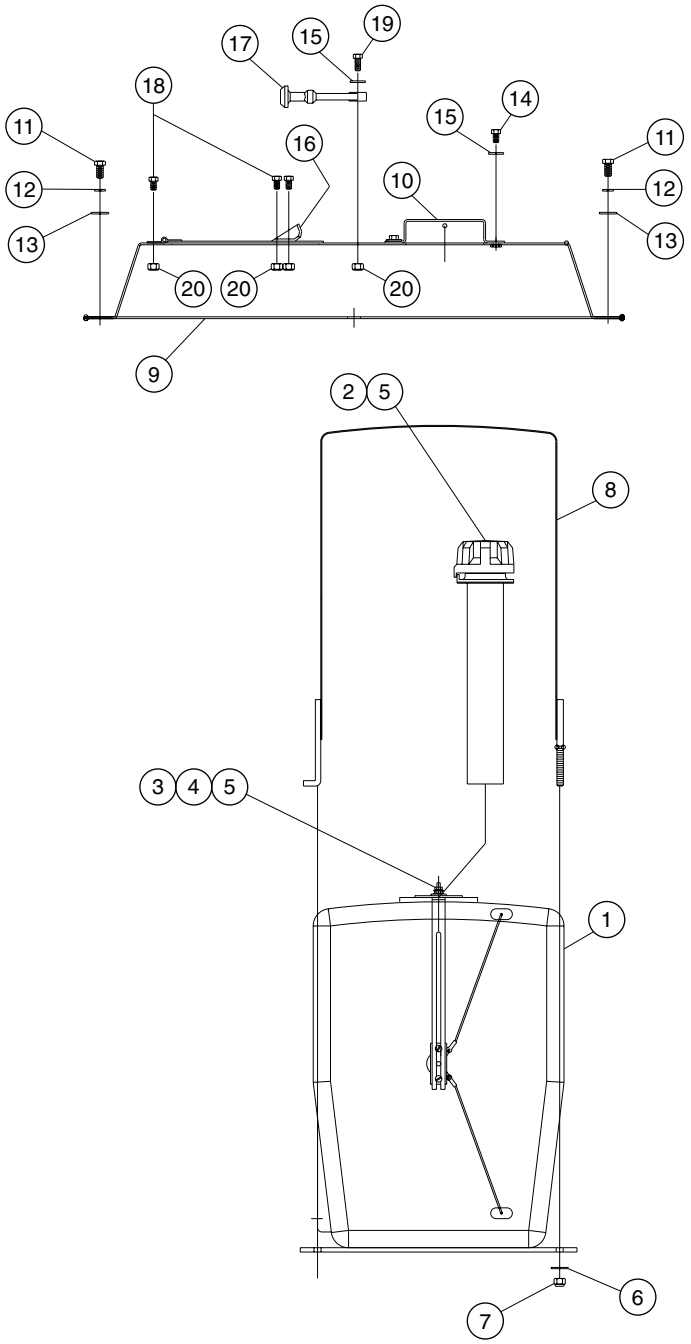
Item	Part No.	Description	Qty.
1	Ref.	Engine and Pump Assembly (refer to 301.1)	
2	7-126-767	Transmission Assembly	1
3	108654	Axle Assembly, Front	1
4	108498	Axle Assembly, Rear	1
5	6-6201-06	Hex Nut, 3/8 NC	8
6	108495	Drive Shaft, Front	1
7	7-229-892	Drive Shaft, Rear	1
8	108489	Base Plate, Sway Mount	2
9	108491	Mount, Sway, RH & LH	2
10	6-6211-06	Lock Washer, 3/8	24
11	6-6212-10	Flat Washer, 5/8	6
12	6-5306-14	Cap Screw, 3/8 NF x 1.75 inches	8
13	7-326-02	Rubber Mount, Engine	4
14	6-8510-40	Cap Screw 10 mm x 1.5 x 40 mm	11
15	6-9111-10	Lock Washer, 10 mm	11
16	6-5212-48	Cap Screw, 3/4 NC x 6 inches	8
17	6-5210-32	Cap Screw, 5/8 NC x 4 inches	4
18	6-6211-10	Lock Washer, 5/8	4
19	6-6201-10	Hex Nut, 5/8 NC	4
20	6-5212-68	Cap Screw, 3/4 NC x 8.5 inches	8
21	6-6211-12	Lock Washer, 3/4	16
22	6-6201-12	Hex Nut, 3/4 NC	16
23	6-8112-35	Cap Screw, 12 mm x 1.75 x 35 mm	5
24	6-9111-12	Lock Washer, 12 mm	5
25	3-1360-1	Mount, Transmission, LH	1
26	3-1360-2	Mount, Transmission, RH	1
27	6-5206-12	Cap Screw, 3/8 -16 x 1.5 inches	8
28	6-5306-14	Cap Screw, 3/8 NF x 1.75 inches	8
29	7-229-895	Strap, Drive Shaft U-joint	4
30	3-1395	Rear Axle Stop	2
31	6-8514-45	Cap Screw, 14 mm x 2 x 45 mm	6
32	6-9111-14	Lock Washer, 14 mm	6
33	7-229-896	Flange 12-PT. Screw, 3/8 NF x 0.75 inch	8

Figure	Rev	Description
202.1	A	Drive Shaft Assembly, Front and Rear



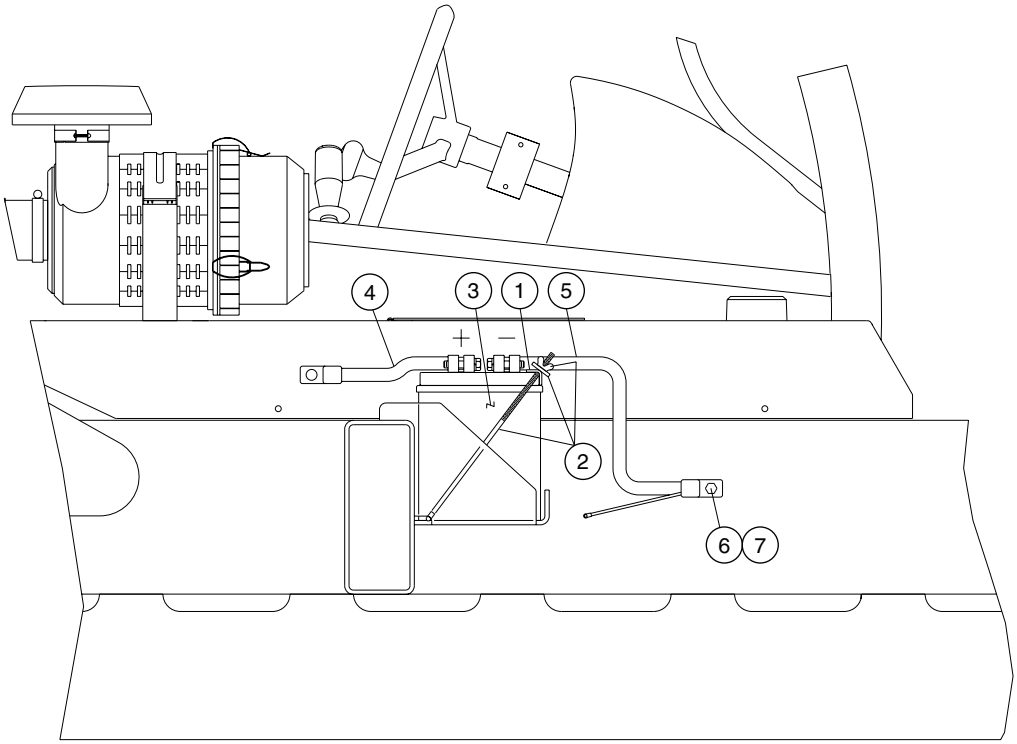
Item	Part No.	Description	Qty.
—	108495	Drive Shaft Assembly, Front (includes items 1-6)	
—	7-229-892	Drive Shaft Assembly, Rear (includes items 1-6)	
1	7-229-897	Cross and Bearing Assembly	1
2	7-229-898	Slip Yoke	1
3	7-229-899	Slip Stub	1
4	7-229-900	Yoke	1
5	7-229-901	Cross and Bearing Assembly	1
6	7-229-902	Dust Cap and Seal Kit	1

Figure	Rev	Description
203.1	A	Fuel Tank Assembly



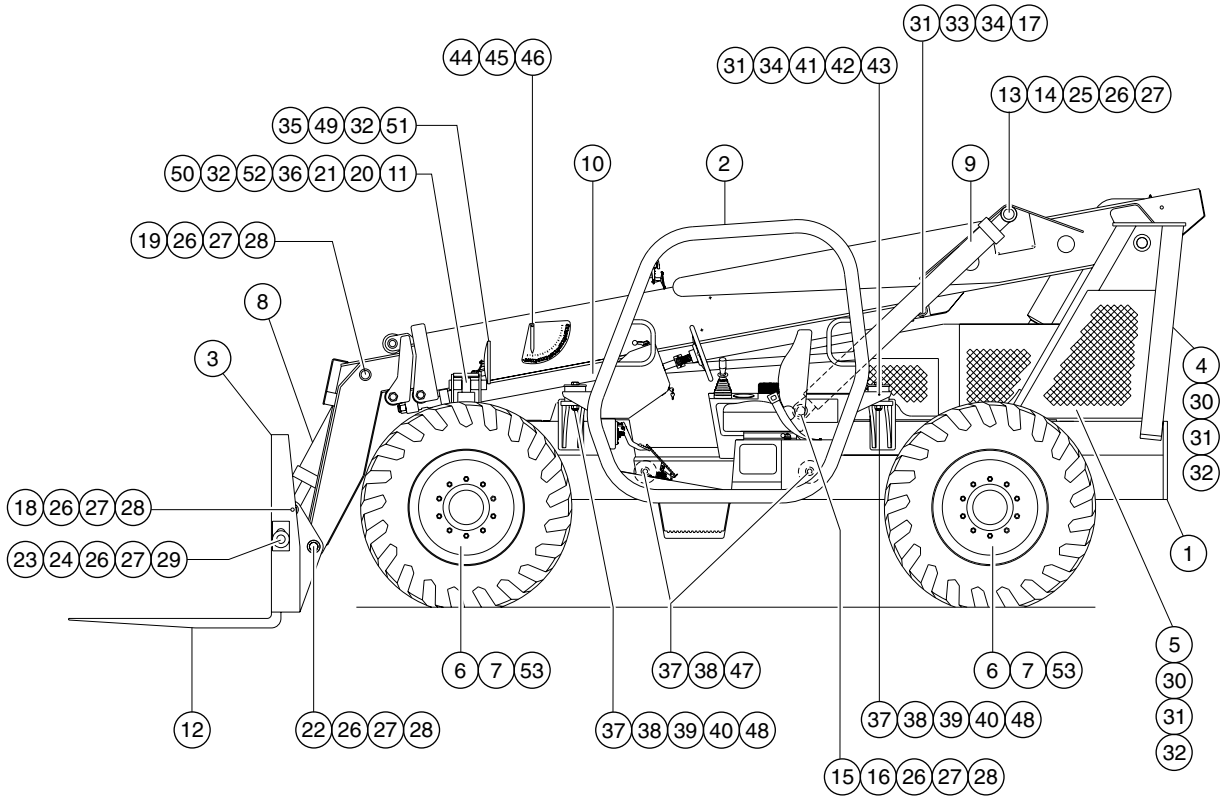
Item	Part No.	Description	Qty.
1	7-373-01	Fuel Tank, Plastic	1
2	7-272-09	Filler Cap, Fuel	1
3	7-169-08	Sender, Fuel Gauge	Ref.
4	7-169-22	Gasket, Fuel Sender	Ref.
5	6-6284-13	Machine Screw, #10-32 x 0.5 inch	11
6	6-6212-06	Flat Washer, 3/8	2
7	6-6205-06	Self Locking Nut, 3/8 NC	2
8	3-1390	Strap, Fuel Tank	2
9	4-2154	Battery Box & Fuel Tank Cover (includes item 10)	1
10	4-2154-3	Fuel Sender Cover	Ref.
11	6-5206-06	Cap Screw, 3/8 NC x 0.75 inch	6
12	6-6211-06	Lock Washer, 3/8	6
13	6-6212-06	Flat Washer, 3/8	6
14	6-5205-05	Cap Screw, 5/16 NC x 0.625 inch	2
15	6-6212-04	Flat Washer, 1/4	3
16	7-360-01	Plastic Holder	1
17	7-360-02	Latch, Rubber	1
18	6-5204-08	Cap Screw, 1/4 NC x 1 inch	6
19	6-5204-08	Cap Screw, 1/4 NC x 1 inch	1
20	6-6205-04	Self Locking Nut, 1/4 NC	7

Figure	Rev	Description
204.1	A	Battery Box Assembly



Item	Part No.	Description	Qty.
1	5-2008	Forming, Battery Hold Down	1
2	5-2012	Hook, Battery Hold Down	2
3	7-355-01	Battery, 12V DC	1
4	6-7801-132B	Battery Cable, Red	1
5	6-7802-88B	Battery Cable, Black	1
6	6-5208-08	Cap Screw, 1/2 NC x 1 inch	1
7	6-6211-08	Lock Washer, 1/2	1

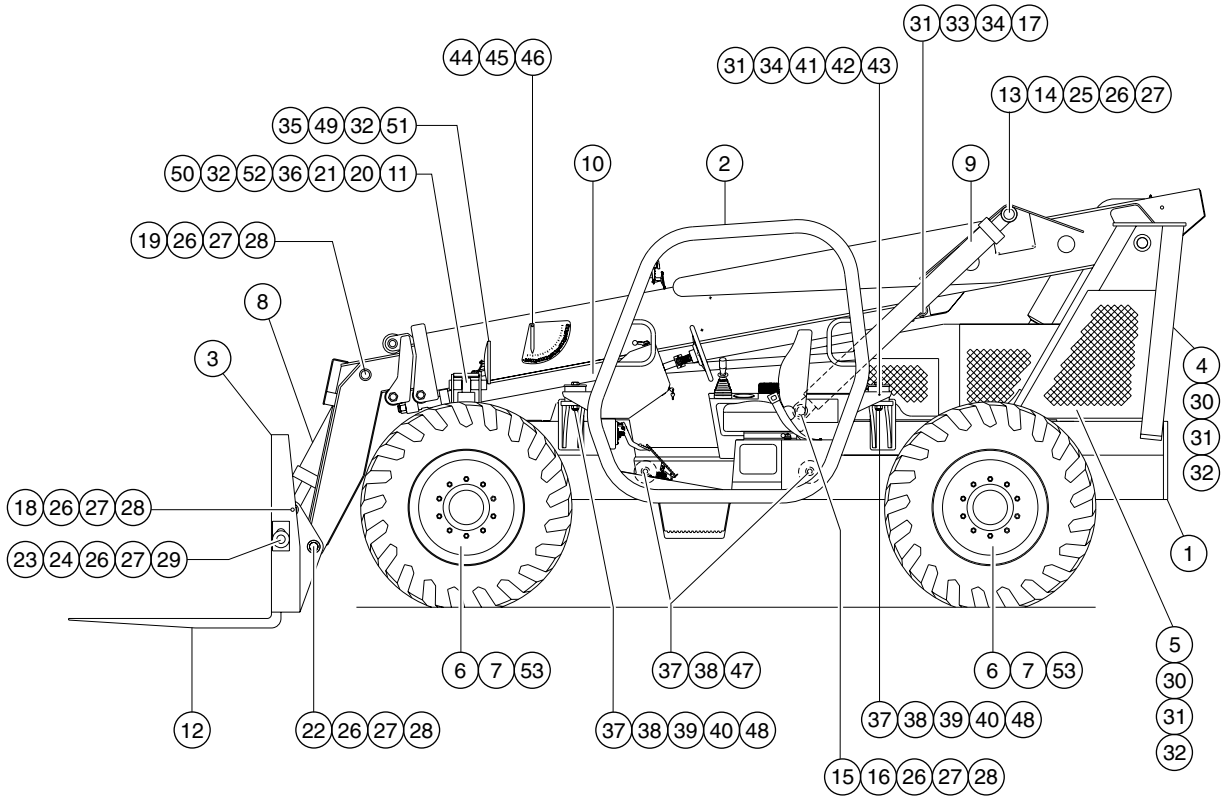
Figure	Rev	Description
205.1	A	General Assembly



Item	Part No.	Description	Qty.
1	108623	Main Frame Weldment	1
2	7-132-96	Canopy Assembly	1
3	4-1411	Fork Frame, 48 Wide	1
4	3-1340	Rear Panel	1
5	4-1692-2	Side Pane, RH & LH	2
6	7-166-17	Tire and Wheel Assembly, RH, Calcium Chloride	2
—	7-166-05	Wheel	
—	7-166-06	Tire, 13 x 24	
6	7-128-09	Tire and Wheel Assembly, RH, Chloride Rock Lug	2
—	7-166-05	Wheel	
—	7-128-01	Tire, 13 x 24	
6	7-166-23	Tire and Wheel Assembly, RH, Foam Filled	2
—	7-166-05	Wheel	
—	7-166-06	Tire, 13 x 24	
6	7-128-13	Tire and Wheel Assembly, RH, Foam Filled Rock Lug	2
—	7-166-05	Wheel	
—	7-128-01	Tire, 13 x 24	
7	7-166-18	Tire & Wheel Assembly, LH, Calcium Chloride	2
—	7-166-05	Wheel	
—	7-166-06	Tire, 13 x 24	
7	7-128-10	Tire & Wheel Assembly, LH, Chloride Rock Lug	2
—	7-166-05	Wheel	
—	7-128-01	Tire, 13 x 24	
7	7-166-24	Tire and Wheel Assembly, LH, Foam Filled	2
—	7-166-05	Wheel	
—	7-166-06	Tire, 13 x 24	
7	7-128-14	Tire and Wheel Assembly, LH, Foam Filled Rock Lug	2
—	7-166-05	Wheel	
—	7-128-01	Tire, 13 x 24	
8	108526	Cylinder, Tilt	1
9	108524	Cylinder, Lift	2
10	108525	Cylinder, Boom	1
11	7-182-34	Cylinder, Sway	2
12	3-1391-10	Fork Tine, 48 inches	2
13	3-1305	Cross Shaft, Head Lift Cylinder	1
14	6-2420-10	Collar, Head Lift Cylinder	2
15	3-1054-2	Pin, Base Lift Cylinder, RH	1
16	3-1054-3	Pin, Base Lift Cylinder, LH	1
17	2-1090	Pin, Base Boom Cylinder	1
18	6-3316-65	Pin, Head Tilt Cylinder	1
19	3-1054-1	Pin, Base Tilt Cylinder	1
20	5-2041-22	Pin, Head Sway Cylinder	2
21	5-2041-11	Pin, Base Sway Cylinder	2
22	6-3316-168	Pin, Fork Frame	1
23	2-1067-10	Pin, Fork Tine	1
24	1-1074	Collar, Fork Tine Pin	1
25	6-5208-36	Cap Screw, 1/2 NC x 4.5 inches	2
26	6-6201-08	Hex Nut, 1/2	8
27	6-6211-08	Lock Washer, 1/2	8
28	6-5208-30	Cap Screw, 1/2 NC x 3.75 inches	5
29	6-5208-36	Cap Screw, 1/2 NC x 4.5 inches	1
30	6-5206-06	Cap Screw, 3/8 NC x 0.75 inch	14
31	6-6211-06	Lock Washer, 3/8	17
32	6-6212-06	Flat Washer, 3/8	20
33	6-5206-22	Cap Screw, 3/8 NC x 2.75 inches	1
34	6-6201-06	Hex Nut, 3/8	2
35	7-333-01	Mirror, Convex	1
36	6-5206-14	Cap Screw, 3/8 NC x 1.75 inches	4
37	7-190-07	Rubber Mount, Cab	4
38	1-1532	Washer, Rubber Mount	4
39	6-5216-48	Cap Screw, 1 NC x 6 inches	2

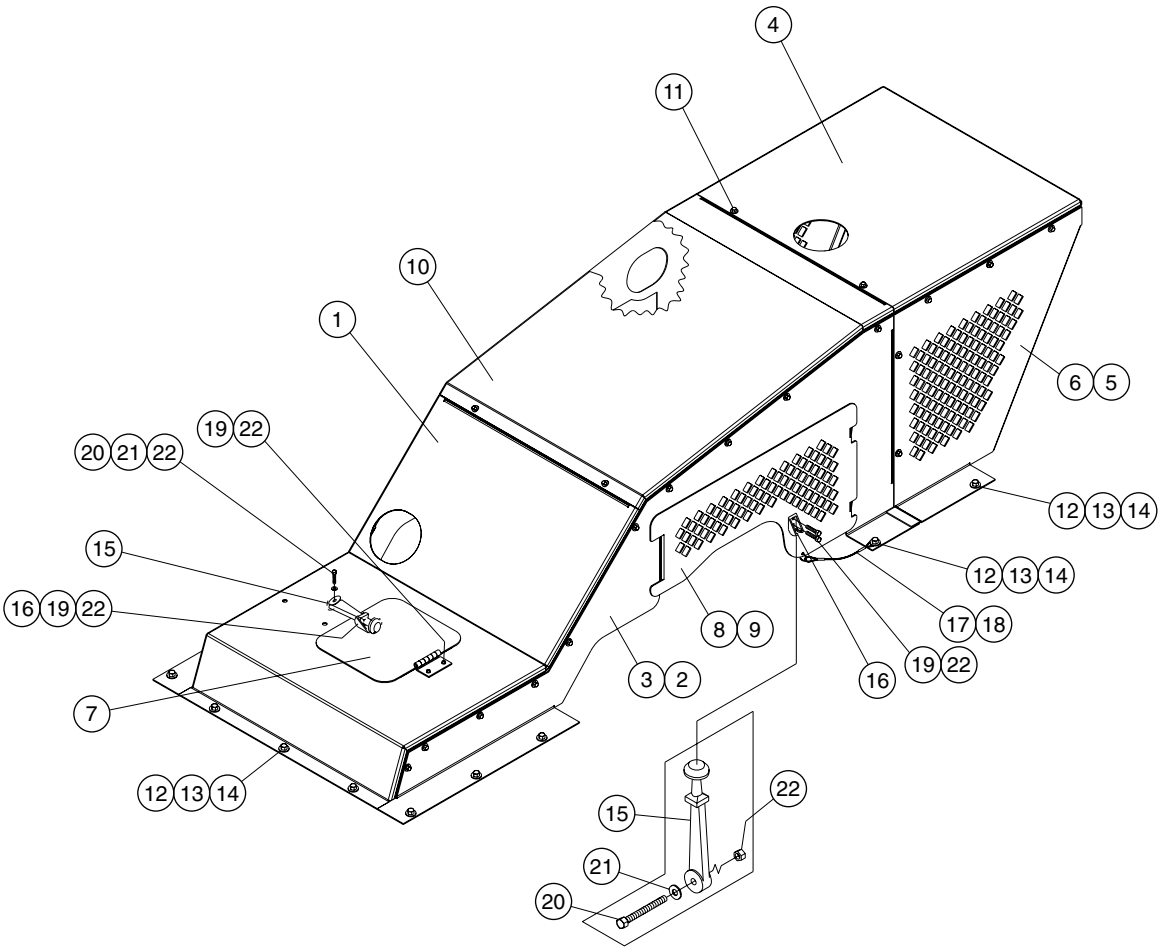
This list continues on the next page.

Figure	Rev	Description
205.1	A	General Assembly



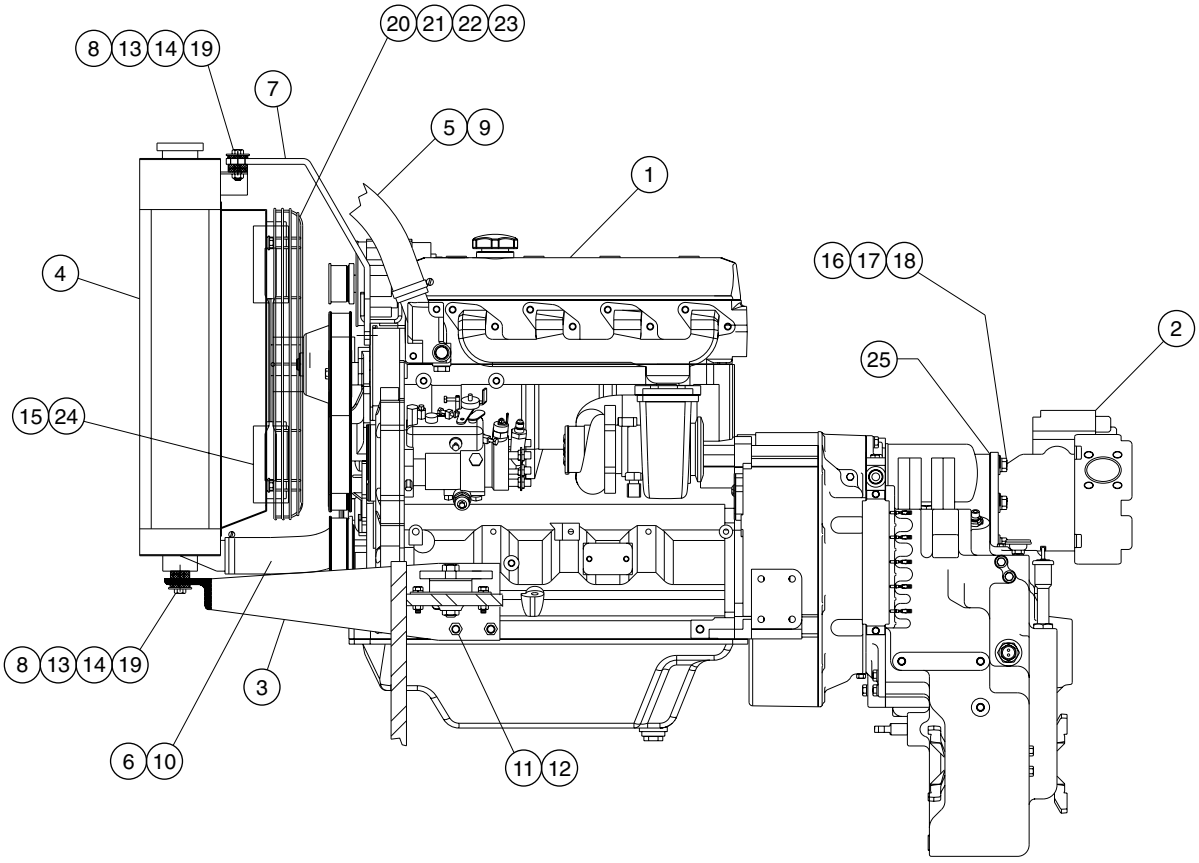
Item	Part No.	Description	Qty.
40	6-6205-16	Self Locking Nut, 1 NC	2
41	7-319-17	Ground Strap, Cab	1
42	6-5206-10	Cap Screw, 3/8 NC x 1.25 inches	1
43	6-5206-04	Cap Screw, 3/8 NC x 0.5 inch	1
44	1-1217	Pointer, Boom Angle	1
45	6-5204-08	Cap Screw, 1/4 NC x 1 inch	1
46	6-6201-04	Hex Nut, 1/4 NC	1
47	6-5216-44	Cap Screw, 1 NC x 5.5 inches	2
48	1-1530	Spacer, Cab Rubber Mount	2
49	6-5206-08	Cap Screw, 3/8 NC x 1 inch	1
50	6-6205-06	Self Locking Nut, 3/8 NC	4
51	7713	LP Nylock Nut, 3/8 -16	1
52	45226	Rod End, 0.375 x 3.69	4
53	7-286-01	Valve Stem	4

Figure	Rev	Description
206.1	A	Engine Enclosure Assembly



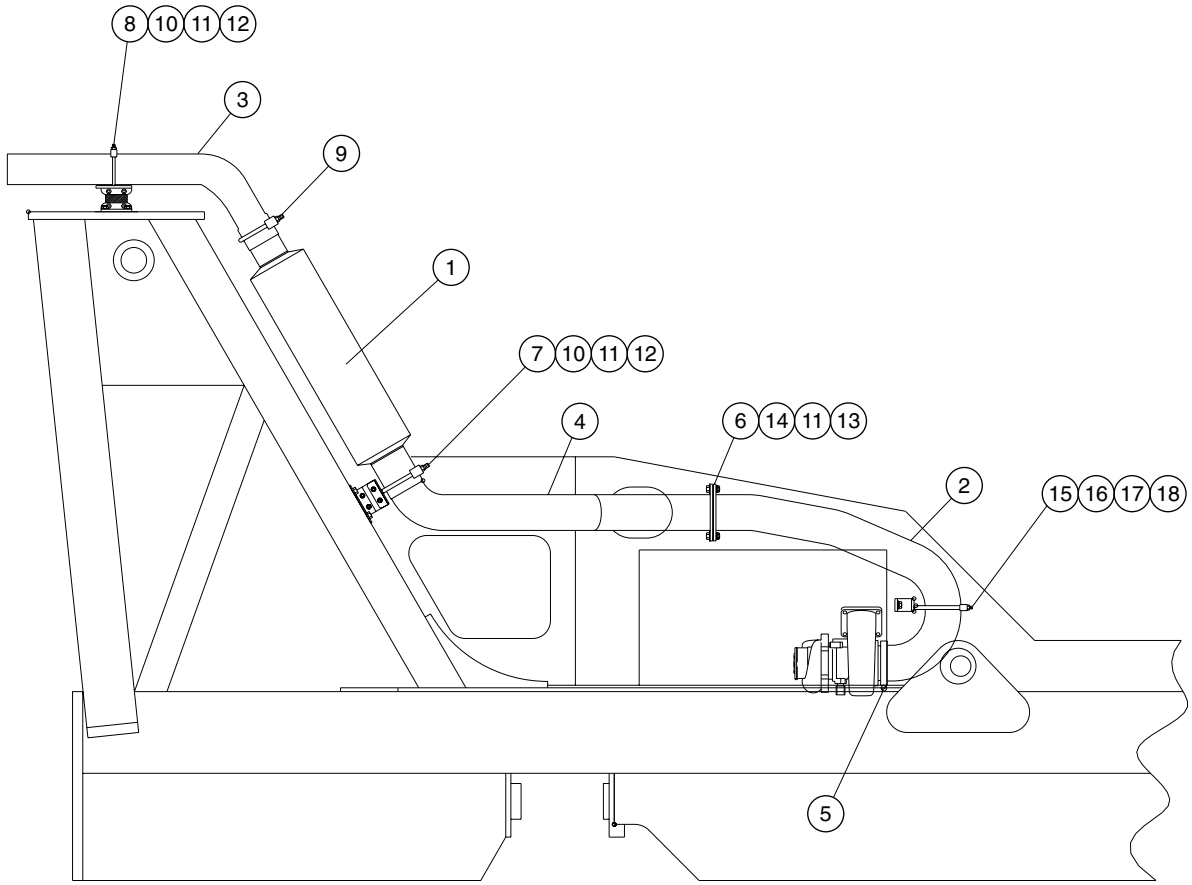
Item	Part No.	Description	Qty.
—	4-2355	Engine Enclosure Assembly (includes items 1-10)	
1	4-2355-1	Top Front Cover, Front Housing	1
2	4-2355-2	Side Plate, RH , Front Housing	1
3	4-2355-3	Side Plate, LH, Front Housing	1
4	4-2355-4	Top Cover, Rear Housing	1
5	4-2355-5	Side Plate, RH, Rear Housing	1
6	4-2355-6	Side Plate, LH, Rear Housing	1
7	4-2346-7	Access Cover, Front Housing	1
8	4-2355-8	Side Screen, RH, Front Housing	1
9	4-2355-9	Side Screen, LH, Front Housing	1
10	4-2355-10	Top Rear Cover, Front Housing	1
11	7-290-01	Body Bolt, 5/16 NC x 0.75 inch	34
12	6-5206-06	Cap Screw, 3/8 NC x 0.75 inch	13
13	6-6211-06	Lock Washer, 3/8	13
14	6-6212-06	Flat Washer, 3/8	13
15	7-360-02	Latch, Rubber	3
16	7-360-01	Plastic Holder	3
17	7-173-03	Cable, Tether	2
18	7-194-81	Split Ring	2
19	6-5204-06	Cap Screw, 1/4 NC x 0.75 inch	8
20	6-5204-08	Cap Screw, 1/4 NC x 1 inch	3
21	6-6212-04	Flat Washer, 1/4	3
22	6-6205-04	Self Locking Nut, 1/4 NC	11

Figure	Rev	Description
301.1	A	Engine and Pump Assembly, JD-4045 Tier II



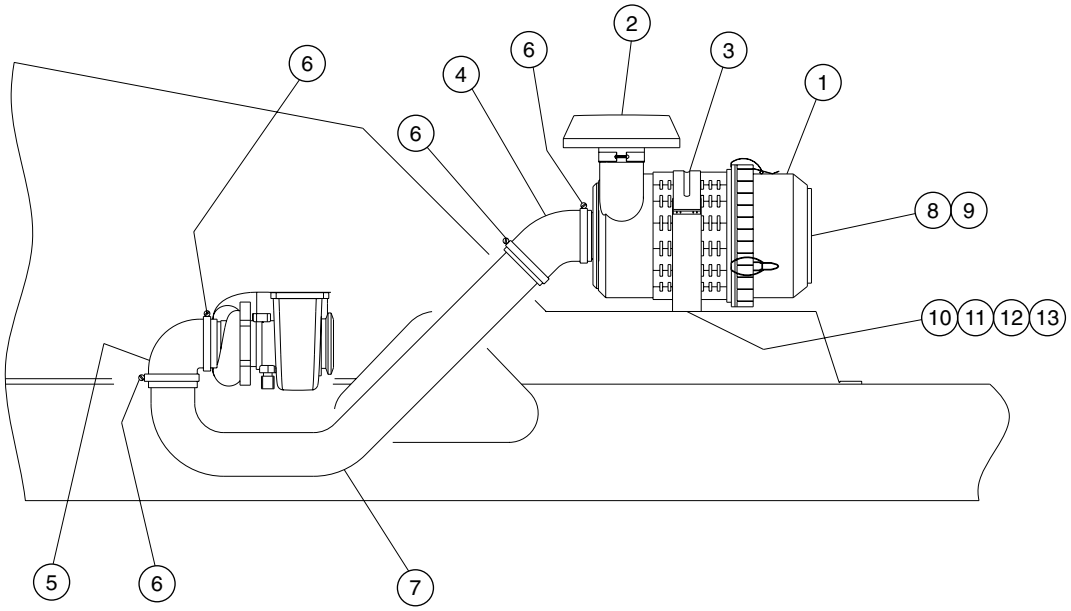
Item	Part No.	Description	Qty.
1	7-183-223	Engine Assembly, JD-4045TF270	1
2	7-345-113	Pump, Piston Type, 60 cc	1
—	7-345-48	Seal Kit	
3	4-2056	Mount, Engine, Front	1
4	7-183-146	Radiator	1
5	7-158-72	Radiator Hose, Upper	1
6	7-158-73	Radiator Hose, Lower	1
7	4-2065	Upper Radiator Mount	1
8	7-190-04	Rubber Mount, Center Bonded	3
9	6-6252-07	Clamp, Radiator Hose	2
10	6-6252-09	Clamp, Radiator Hose	2
11	6-8112-35	Cap Screw, 12 mm x 1.75 x 35 mm	6
12	6-9111-12	Lock Washer, 12 mm	6
13	6-5206-16	Cap Screw, 3/8 NC x 2 inches	3
14	6-6205-06	Self Locking Nut, 3/8 NC	3
15	7-183-38	Fan, Blower, 18 inches	Ref.
16	6-5208-20	Cap Screw, 1/2 NC x 2.5 inches	4
17	6-6212-08	Flat Washer, 1/2	4
18	6-6211-08	Lock Washer, 1/2	4
19	7-190-02	Washer, Bonded Rubber Mount	3
20	4-1685	Fan Guard, 18 inches, Fan	1
21	6-5205-08	Cap Screw, 5/16 NC x 1 inch	4
22	6-6211-05	Lock Washer, 5/16	4
23	6-6212-06	Flat Washer, 3/8	4
24	7-183-96	Spacer, Fan, 2 inches	Ref.
25	7-126-517	Gasket, Pump Drive	1

Figure	Rev	Description
302.1	A	Exhaust Assembly, JD-4045 Tier II



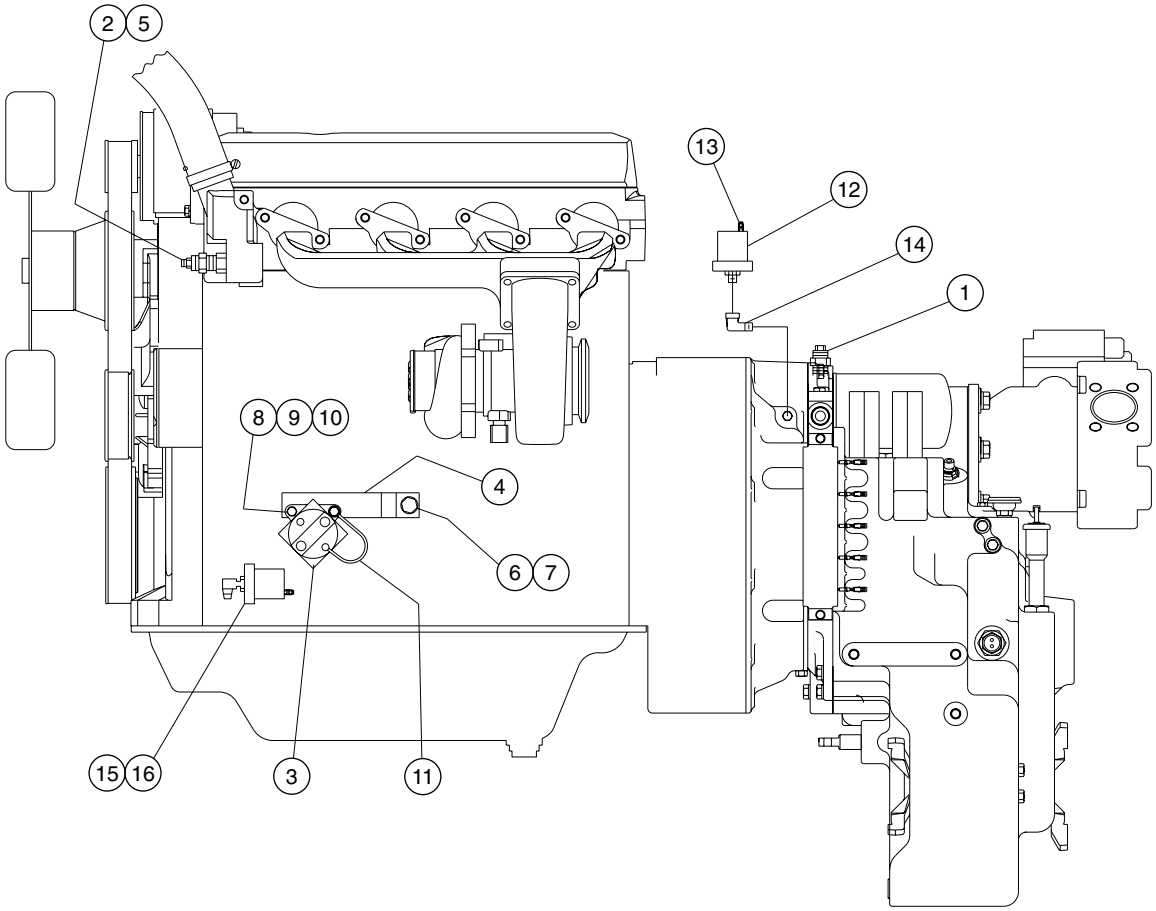
Item	Part No.	Description	Qty.
1	7-282-05	Muffler	1
2	4-1661-1	Exhaust Pipe, Engine End	1
3	3-1422	Tailpipe	1
4	4-1661-2	Exhaust Pipe, Muffler End	1
5	7-183-98	V-clamp (with engine)	1
6	1-1176	Gasket, Exhaust, 3 1/2 inch	1
7	3-1481	Exhaust Bracket Assembly, 3 1/2 inch	1
8	3-1400	Exhaust Bracket Assembly, 3 inch	1
9	7-319-14	Clamp, Muffler, 3 1/4 inches	1
10	6-5206-08	Cap Screw, 3/8 NC x 1 inch	4
11	6-6211-06	Lock Washer, 3/8	6
12	6-6212-06	Flat Washer, 3/8	4
13	6-6201-06	Hex Nut, 3/8 NC	2
14	6-5206-10	Cap Screw, 3/8 NC x 1.25 inches	2
15	2-1171	Exhaust Support Bracket, 3 1/2	1
16	6-8510-20	Cap Screw, 10 mm x 1.5 x 20 mm	1
17	6-9111-10	Lock Washer, 10 mm	1
18	6-9112-10	Flat Washer, 10 mm	1

Figure	Rev	Description
303.1	A	Air Cleaner Assembly, JD-4045 Tier II



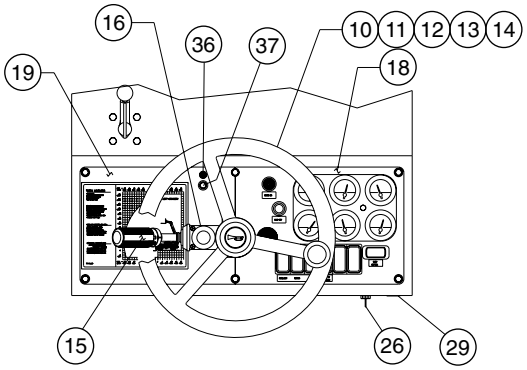
Item	Part No.	Description	Qty.
1	7-109-16	Air Cleaner Assembly	1
2	7-109-02	Hood	1
3	7-109-03	Mounting Band	1
4	7-135-23	Rubber Elbow, 3 ID x 45	1
5	7-109-05	Rubber Elbow, 3 ID x 90	1
6	6-6252-13	Clamp, Worm	4
7	4-2105	Air Inlet Pipe	1
8	7-109-04	Filter, Primary	Ref.
9	7-109-14	Filter, Safety	Ref.
10	6-5205-10	Cap Screw, $^{5}/_{16}$ NC x 1.25 inches	2
11	6-6212-05	Flat Washer, $^{5}/_{16}$	2
12	6-6211-05	Lock Washer, $^{5}/_{16}$	2
13	6-6201-05	Hex Nut, $^{5}/_{16}$ NC	2

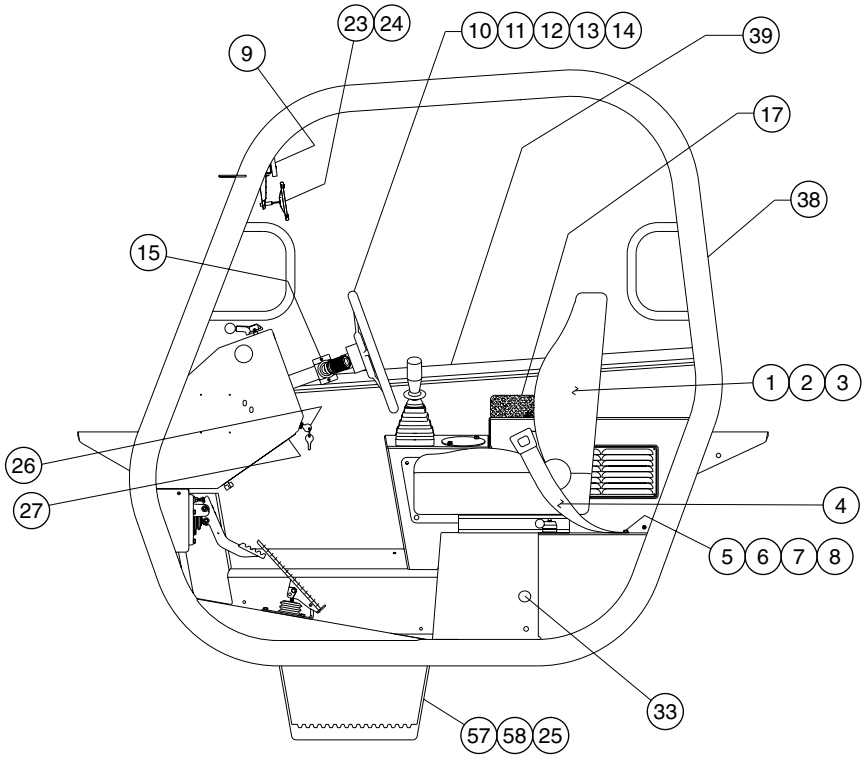
Figure	Rev	Description
304.1	A	Starter Relay/Sender Assembly, JD-4045 Tier II



Item	Part No.	Description	Qty.
1	7-169-12	Sender, Transmission Oil Temperature	1
2	7-169-19	Sender, Engine Water Temperature	1
3	7-183-18	Relay, Starter	1
4	1-1177	Mount, Starter Relay	1
5	6-6406-04	Fitting, NPT Red, 1/2 x 3/8	1
6	6-8514-25	Cap Screw, 14 mm x 2 x 25 mm	1
7	6-9111-14	Lock Washer, 14 mm	1
8	6-5204-04	Cap Screw, 1/4 NC x 0.5 inch	2
9	6-6211-04	Lock Washer, 1/4	2
10	6-6212-04	Flat Washer, 1/4	2
11	1-1094	Ground Wire, Starter Relay	1
12	7-169-11	Sender, Transmission Oil Pressure	1
13	6-6286-06	Hex Nut, #10-32	1
14	6-6422-01	Fitting, 02 NPT Brass ST. ELB.	1
15	7-169-09	Sender, Engine Oil Pressure	1
16	6-6422-01	Fitting, 02 NPT, 90 BR. ST. ELB.	1

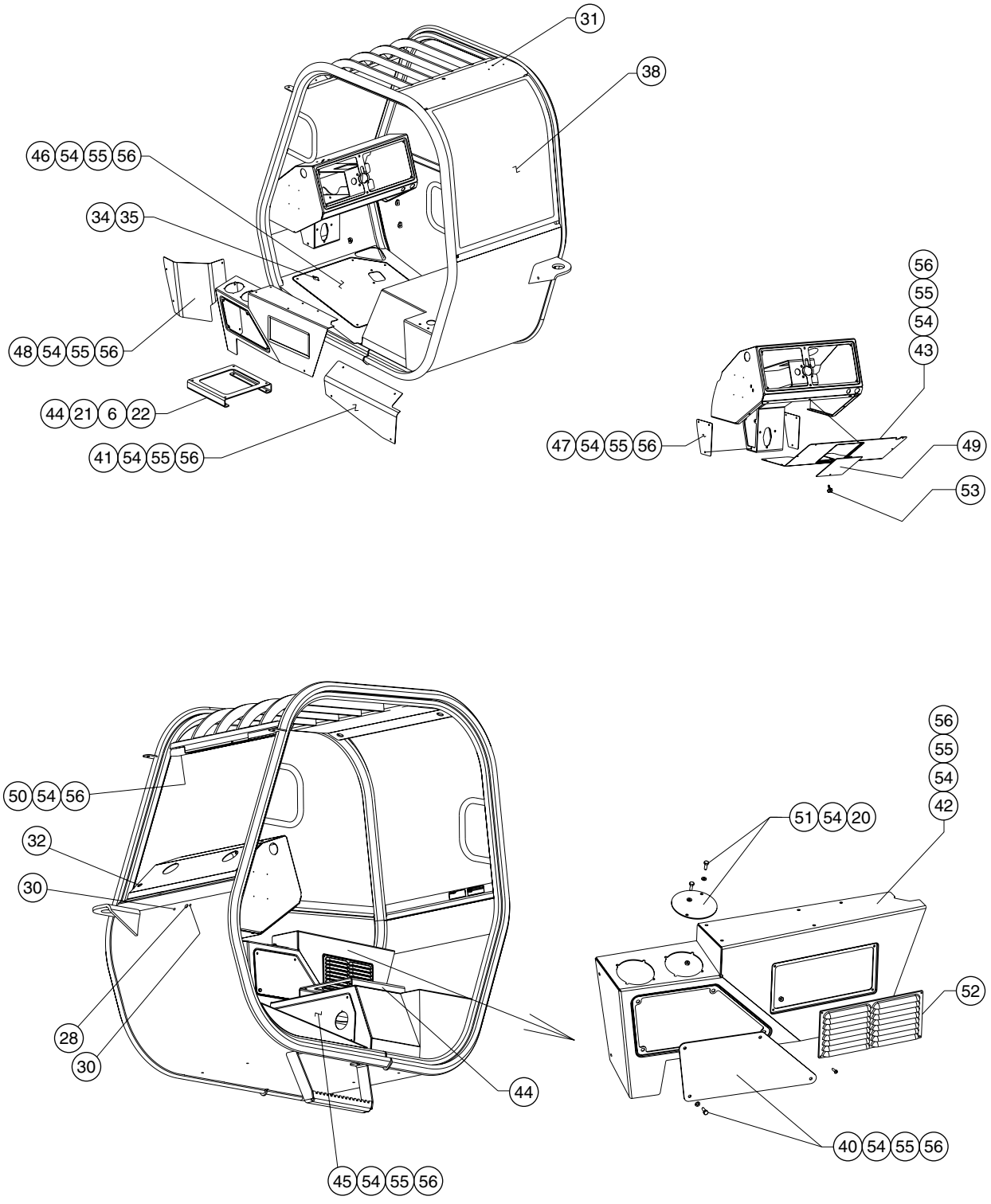
Figure	Rev	Description
401.1	A	Operator's Compartment Assembly, View 1





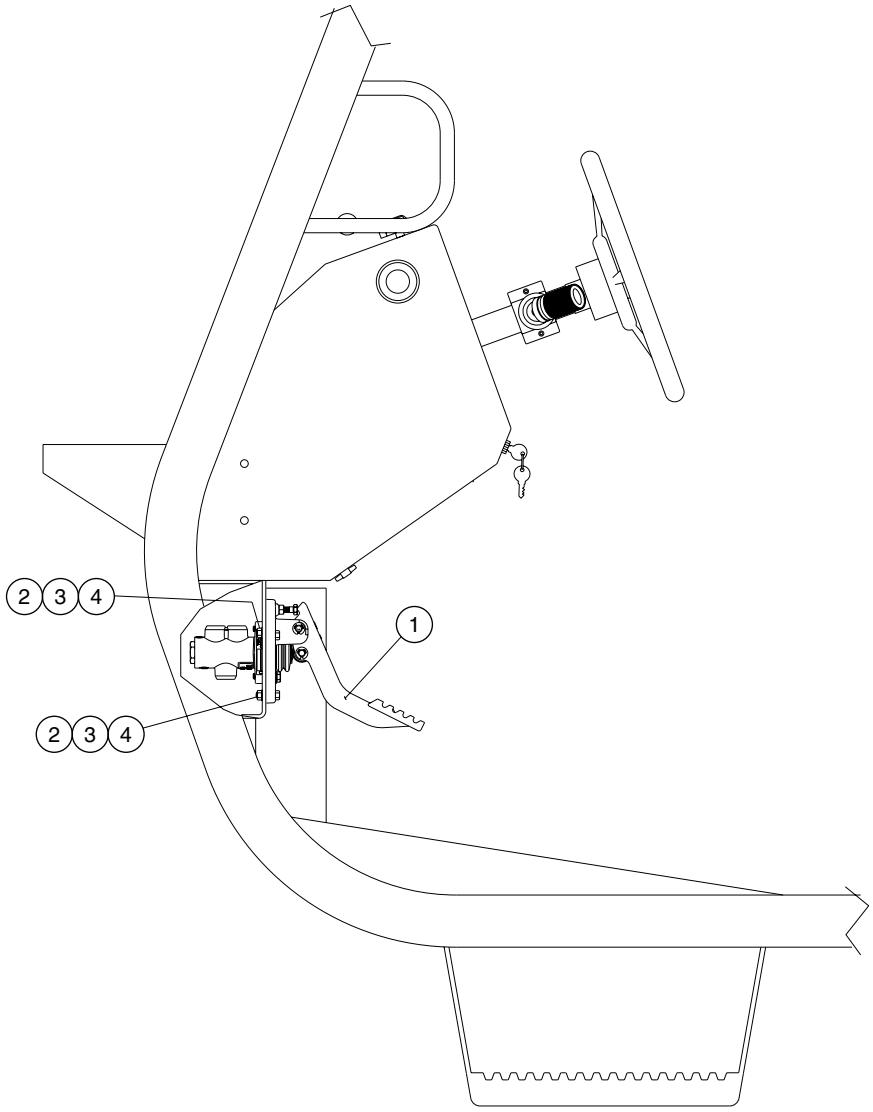
Item	Part No.	Description	Qty.
1	7-197-01	Seat	1
2	6-6211-05	Lock Washer, 5/16	4
3	6-6201-05	Hex Nut, 5/16 NC	4
4	7-337-01	Seat Belt	1
5	6-5205-08	Cap Screw, 5/16 NC x 1 inch	2
6	6-6212-05	Flat Washer, 5/16	6
7	6-6211-05	Lock Washer, 5/16	2
8	6-6201-05	Hex Nut, 5/16 NC	2
9	7-104-01	Level Gage	1
10	7-147-48	Steering Orbital	1
11	7-147-40	Steering Wheel	1
12	7-147-41	Horn Button Kit	1
13	7-147-04	Nut, Steering Wheel	Ref.
14	7-147-47	Column, Steering (includes item 13)	1
15	7-125-05	Transmission Column Shift Control	1
16	7-194-40	Grommet, Trans. Shifter Harness	1
17	7-153-01	Arm Rest Pad	1
18	7-132-03	Dash Panel, RH Side	1
19	7-132-04	Dash Panel, LH Side	1
23	7-192-01	Mirror, Interior	1
24	6-6212-04	Flat Washer, 1/4	1
25	6-6211-08	Lock Washer, 1/2	2
26	7-146-01	Switch, Ignition, Key	Ref.
27	7-144-02	Hole Plug, 5/8, Ether Button	1
29	7-144-10	Hole Plug, 1 3/16, 12V ACC. Plug	1
33	7-144-11	Hole Plug, 1 3/8, Side of Seat Box	1
36	7-144-02	Hole Plug Lug, 5/8, Blink Code Button	1
37	7-144-03	Hole Plug, 3/4, Blink Code Light	1
38	7-132-101	Glass, Rear Window, Tinted	Ref.
39	46718	Trimlock, 3/16, Aluminum	56 inches
57	7-132-08	Step, Cab	1
58	6-5208-10	Cap Screw, 1/2 NC x 1.25 inches	2

Figure	Rev	Description
402.1	A	Operator's Compartment Assembly, View 2



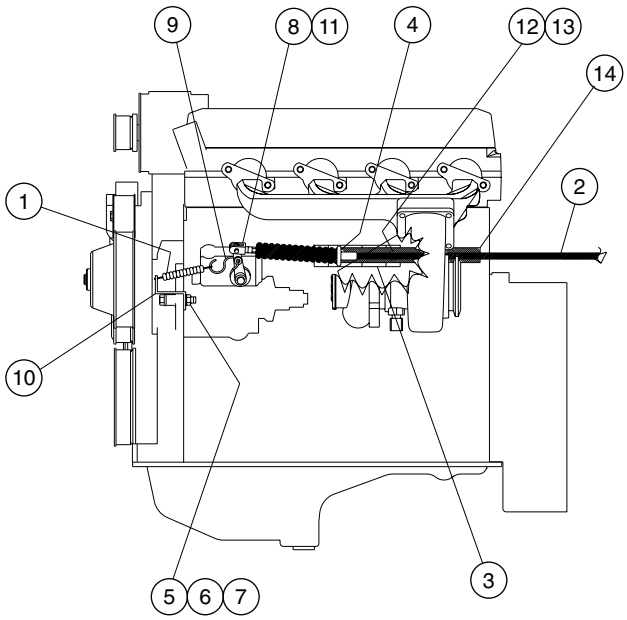
Item	Part No.	Description	Qty.
6	6-6212-05	Flat Washer, 5/16	6
20	6-6205-04	Self Locking Nut, 1/4 NC	2
21	6-5205-06	Cap Screw, 5/16 NC x 0.75 inch	4
22	6-6205-05	Self Locking Nut, 5/16 NC	4
28	7-144-03	Hole Plug, 3/4, Wiper Shaft	1
30	7-144-07	Hole Plug, 3/8, Wiper Bolts	2
31	7-144-07	Hole Plug, 3/8, Strobe Light Wires	Ref.
32	7-144-06	Hole Plug, 7/8, Front of Dash	1
34	7-144-09	Hole Plug, 1 -1/8, Diff. Lock Switch	1
35	7-144-08	Hole Plug, 5/16, Diff. Lock Bolts	2
38	7-132-101	Glass, Rear Window-Tinted	Ref.
40	7-132-116	Access Panel, Joystick	Ref.
41	7-132-105	Cover, Side Hose	Ref.
42	7-132-106	Side Console, Bolt-on	Ref.
43	7-132-107	Console Cover, Lower Front	Ref.
44	7-132-108	Seat Riser	Ref.
45	7-132-109	Cover, Seat Box	Ref.
46	7-132-110	Cover, Foot Pedal	Ref.
47	7-132-111	Cover, Brake Actuator Access	Ref.
48	7-132-112	Cover, Front Hose	Ref.
49	7-132-113	Cover, Fuse Panel	Ref.
50	7-132-114	Mount, Fan	Ref.
51	7-132-11	Cover, Joystick	Ref.
52	7-132-122	Grill, Heater	Ref.
53	7-132-22	Bolt, Tri-wing	Ref.
54	6-5204-06	Cap Screw, 1/4 NC x 0.75 inch	44
55	6-6211-04	Lock Washer, 1/4	42
56	6-6212-04	Flat Washer, 1/4	44

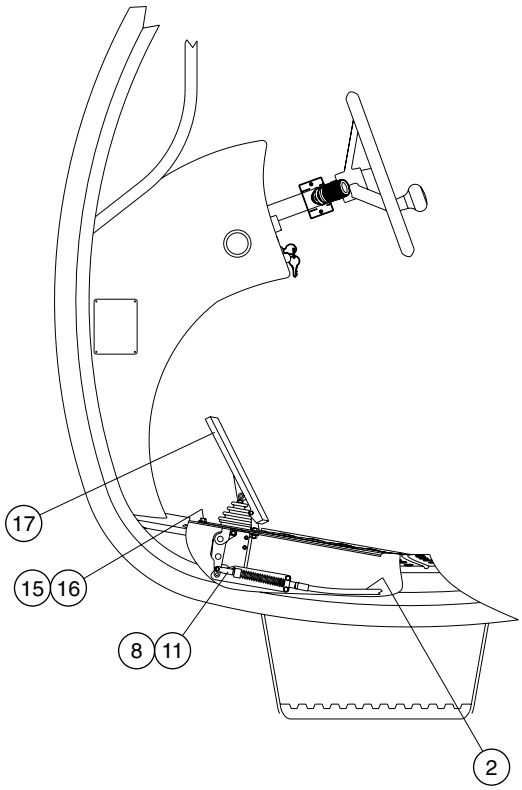
Figure	Rev	Description
403.1	A	Foot Brake Assembly



Item	Part No.	Description	Qty.
1	7-198-48	Brake Pedal, Hanging	Ref.
—	7-198-49	Seal Kit	Ref.
2	6-5206-10	Cap Screw, 3/8 NC x 1.25 inches	3
3	6-6211-06	Lock Washer, 3/8	3
4	6-6201-06	Hex Nut, 3/8 NC	3

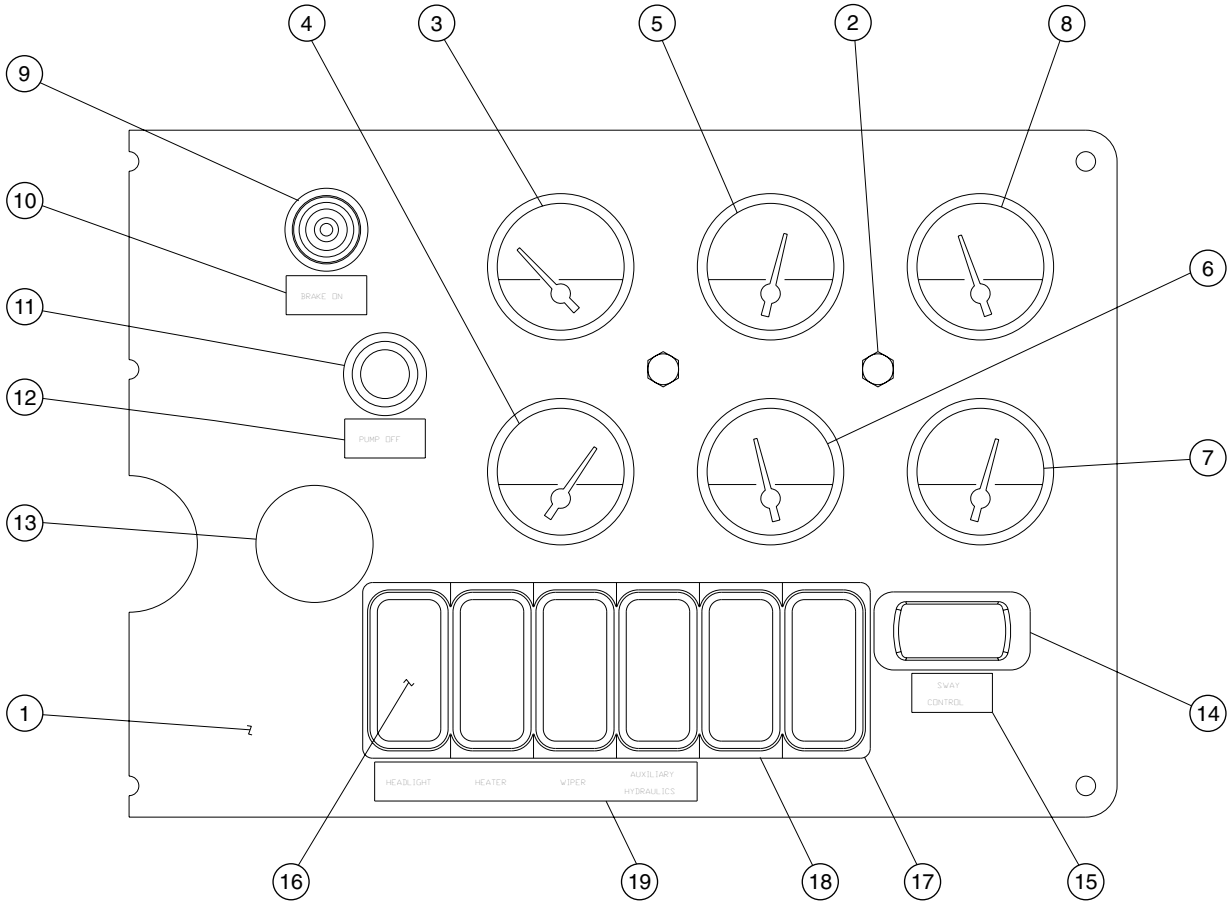
Figure	Rev	Description
404.1	A	Accelerator Assembly





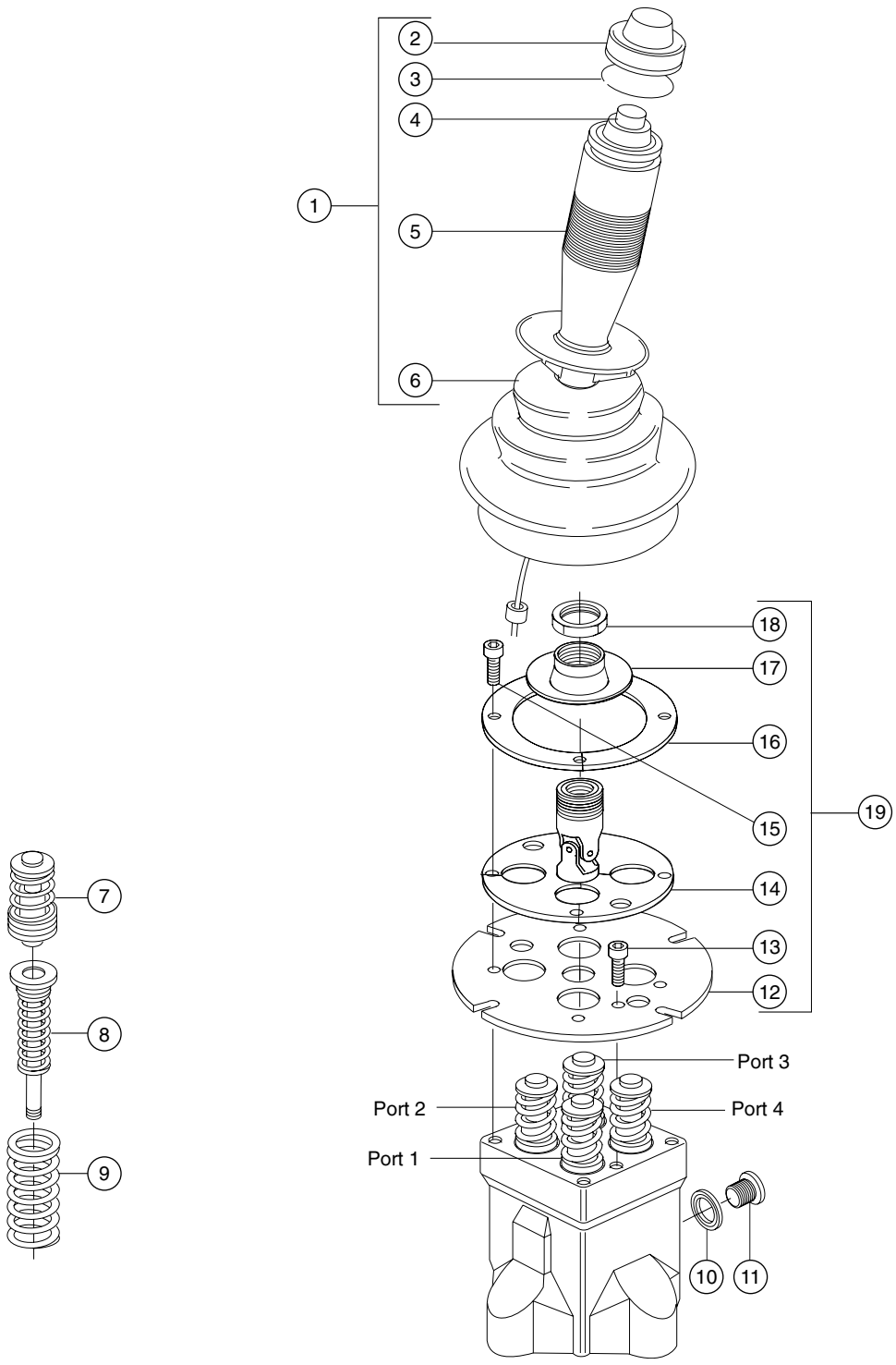
Item	Part No.	Description	Qty.
1	7-194-20	Spring, Return	1
2	7-266-02	Cable, Accelerator	1
3	3-1320	Mount, Accelerator Cable	1
4	7-194-07	U-bolt with Nuts	1
5	6-8108-55	Cap Screw, 8 mm x 1.25 x 55 mm	1
6	6-9111-08	Lock Washer, 8 mm	1
7	6-9101-08	Hex Nut, 8 mm	1
8	7-194-05	Yoke with Clevis Pin & Cotter Pin	1
9	7-194-18	S-hook	1
10	1-1017	Mount, Return Spring	1
11	6-6208-04	Jam Nut (with Cable), 1/4-28	Ref.
12	6-8510-20	Cap Screw, 10 mm x 1.5 x 20 mm	2
13	6-9111-10	Lock Washer, 10 mm	2
14	7-194-56	Sleeve, Silica, 2300° F (per inch)	10
15	6-5204-04	Cap Screw, 1/4 NC x 0.50 inch	3
16	6-6211-04	Lock Washer, 1/4	3
17	7-120-11	Pedal, Accelerator	1

Figure	Rev	Description
405.1	A	Instrument Panel Assembly



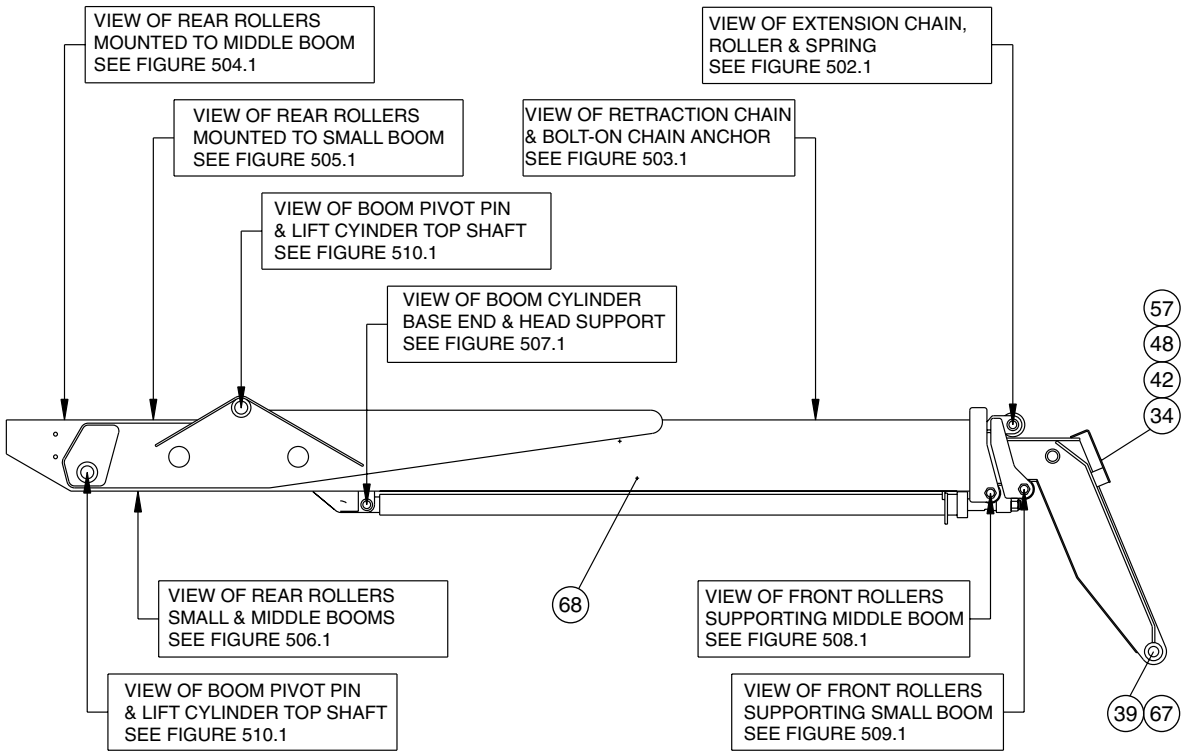
Item	Part No.	Description	Qty.
1	7-132-03	Dash Panel, RH Side	Ref.
2	6-5204-06	Cap Screw, 1/4 NC x 0.75 inch	2
3	7-169-01	Gauge, Fuel	1
4	7-169-02	Gauge, Engine Oil Pressure	1
5	7-169-03	Gauge, Transmission Oil Temperature	1
6	7-169-04	Gauge, Engine Water Temperature.	1
7	7-169-05	Gauge, Voltmeter	1
8	7-169-06	Gauge, Transmission Oil Pressure	1
9	7-127-05	Light, Warning	1
10	2-1271-1	Decal, Brake On	Ref.
11	7-319-03	Switch, Push Button	1
12	2-1270-1	Decal, Pump Off	Ref.
13	7-144-11	Hole Plug, 1 -3/8 DIA., Turn Signal	1
14	7-164-04	Switch, Sway	1
15	2-1269-1	Decal, Sway Control	Ref.
16	7-164-05	NGR Panel, Plug	6
17	7-164-06	End, Bezel	2
18	7-164-07	Center, Bezel	4
19	2-1268-1	Decal, Dash Gang Switches	Ref.

Figure	Rev	Description
406.1	A	4-Way Controller Assembly



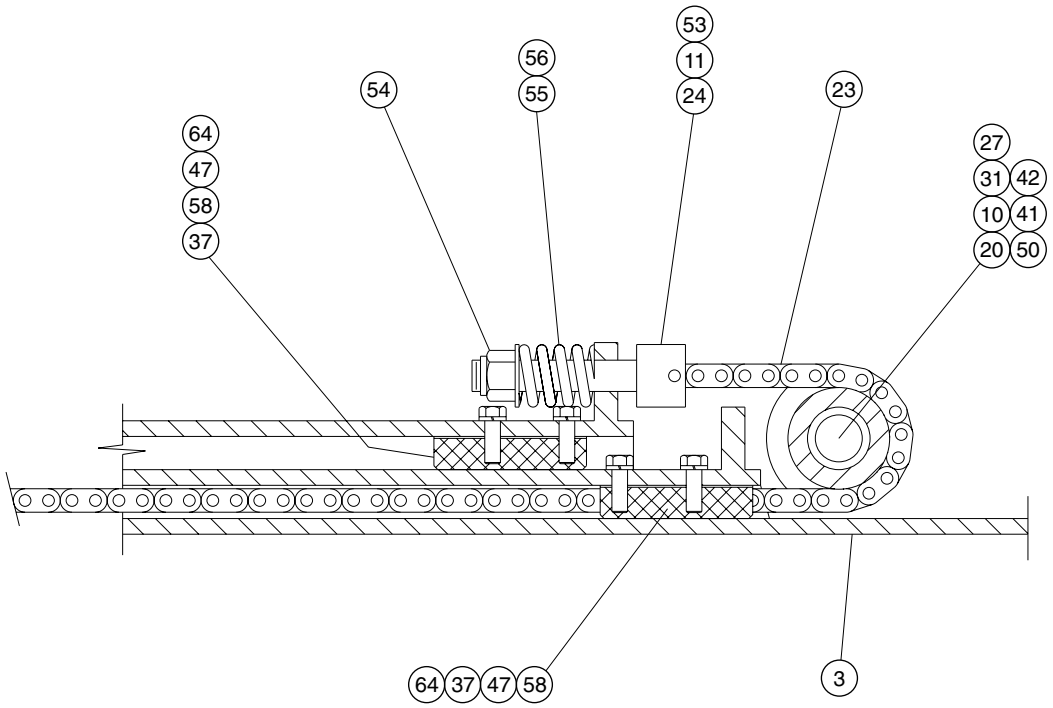
Item	Part No.	Description	Qty.
1	7-200-153	Handle Assembly (includes items 2-6)	Ref.
2	7-200-09	Rubber Cap	1
3	7-200-10	Lock Ring	1
4	7-200-07	Switch	1
5		Handle	1
6	7-200-154	Bellows	1
7	7-200-128	Pin Set (port 1 & port 3)	2
	7-200-129	Pin Set (port 2 & port 4)	2
8	7-200-158	Spring Pack	4
9	7-200-159	Return Spring	4
10	7-200-160	Flat Seal	1
11	7-200-161	Plug	1
12		Mounting Plate	1
13	7-200-157	Screw	2
14		Swivel Plate	1
15	7-200-156	Screw	4
16		Retaining Ring	1
17		Threaded Cap	1
18		Retainer Nut	1
19	7-200-155	Mounting Plate Assembly (includes items 12-18)	Ref.

Figure	Rev	Description
501.1	A	Boom Assembly, View 1


VIEW OF REAR ROLLERS MOUNTED TO MIDDLE BOOM SEE FIGURE 504.1
VIEW OF EXTENSION CHAIN, ROLLER & SPRING SEE FIGURE 502.1
VIEW OF REAR ROLLERS MOUNTED TO SMALL BOOM SEE FIGURE 505.1
VIEW OF RETRACTION CHAIN & BOLT-ON CHAIN ANCHOR SEE FIGURE 503.1
VIEW OF BOOM PIVOT PIN & LIFT CYINDER TOP SHAFT SEE FIGURE 510.1
VIEW OF BOOM CYLINDER BASE END & HEAD SUPPORT SEE FIGURE 507.1
57
48
42
34
68
VIEW OF REAR ROLLERS SMALL & MIDDLE BOOMS SEE FIGURE 506.1
VIEW OF FRONT ROLLERS SUPPORTING MIDDLE BOOM SEE FIGURE 508.1
VIEW OF BOOM PIVOT PIN & LIFT CYLINDER TOP SHAFT SEE FIGURE 510.1
VIEW OF FRONT ROLLERS SUPPORTING SMALL BOOM SEE FIGURE 509.1
39
67

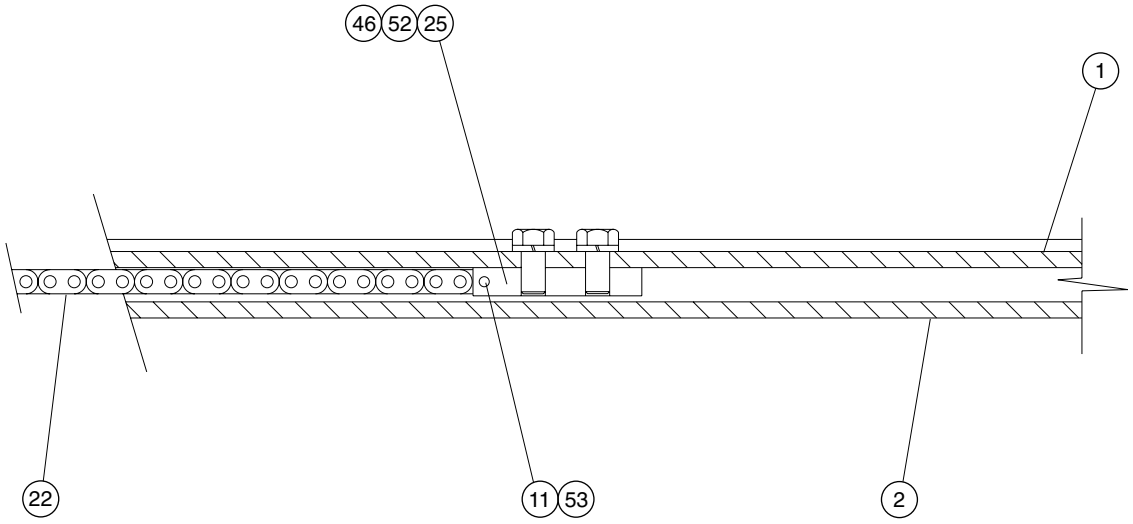
Item	Part No.	Description	Qty.
34	3-1199	Guard, Tilt Valve	1
39	6-4516-24	Bronze Bushing, Small Boom	2
42	6-6211-06	Lock Washer, 3/8	15
48	6-5206-06	Cap Screw, 3/8 NC x 0.75 inch	6
57	6-6212-06	Flat Washer, 3/8	6
67	6-6301	Lube Fitting, 1/8 NPT, Straight	4
68	6-6306	Lube Fitting, 1/4-28, Straight	8

Figure	Rev	Description
502.1	A	Boom Assembly, View 2



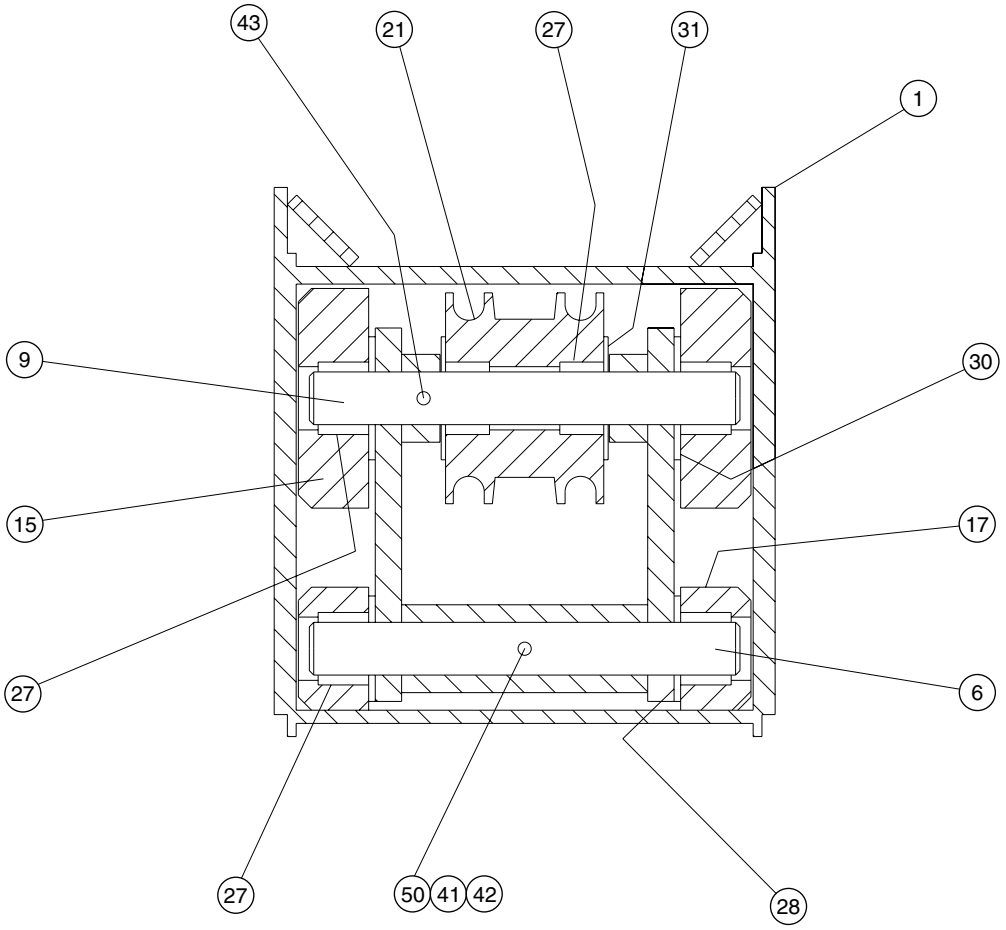
Item	Part No.	Description	Qty.
3	4-1244	Small Boom	1
10	3-1191-6	Pin, Front Chain Sheave	1
11	2-1052-3	Pin, Leaf Chain	4
20	4-1246-4B	Sheave, Chain, Front (includes item 27)	1
23	5-2040-191	Leaf Chain, Extension	1
24	4-1237-1	Chain Anchor, Adjustable	1
27	7-193-05	Needle Bearing, 1.5 ID	20
31	6-6600-12	Thrust Washer, 3.5 x 1.5 x 0.125	8
37	2-1184	Wear Pad, Boom	4
41	6-6201-06	Hex Nut, 3/8 NC	5
42	6-6211-06	Lock Washer, 3/8	15
47	6-5208-10	Cap Screw, 1/2 NC x 1 1/4 inch	8
50	6-5206-22	Cap Screw, 3/8 NC x 2 3/4 inches	5
53	6-6243-06	Cotter Pin, 3/32 x 3/4 inch	8
54	7-142-01	Self Locking Nut, 1-12 THD.	1
55	7-194-01	Spring, Compression	1
56	6-6215-16	Flat Washer, 1.0	1
58	6-6211-08	Lock Washer, 1/2	12
64	1-1101-3	Shim, 3/16	4

Figure	Rev	Description
503.1	A	Boom Assembly, View 3



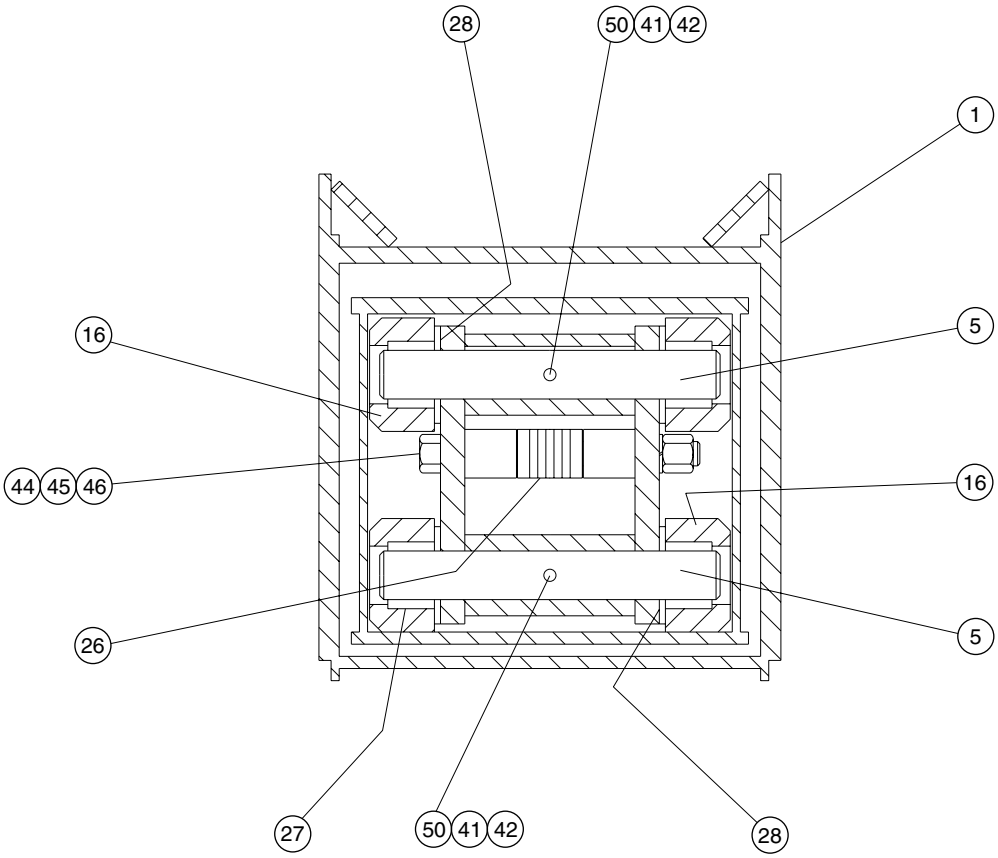
Item	Part No.	Description	Qty.
1	4-2300	Large Boom	1
2	4-2215	Middle Boom	1
11	2-1052-3	Pin, Leaf Chain	4
22	5-2040-191	Leaf Chain, Retraction	1
25	4-1237-2	Chain Anchor, Bolt-on	1
46	6-6211-12	Lock Washer, 3/4	4
52	6-5312-12	Cap Screw, 3/4 NF x 1.5 inches	2
53	6-6243-06	Cotter Pin, 3/32 x 3/4 inch	8

Figure	Rev	Description
504.1	A	Boom Assembly, View 4



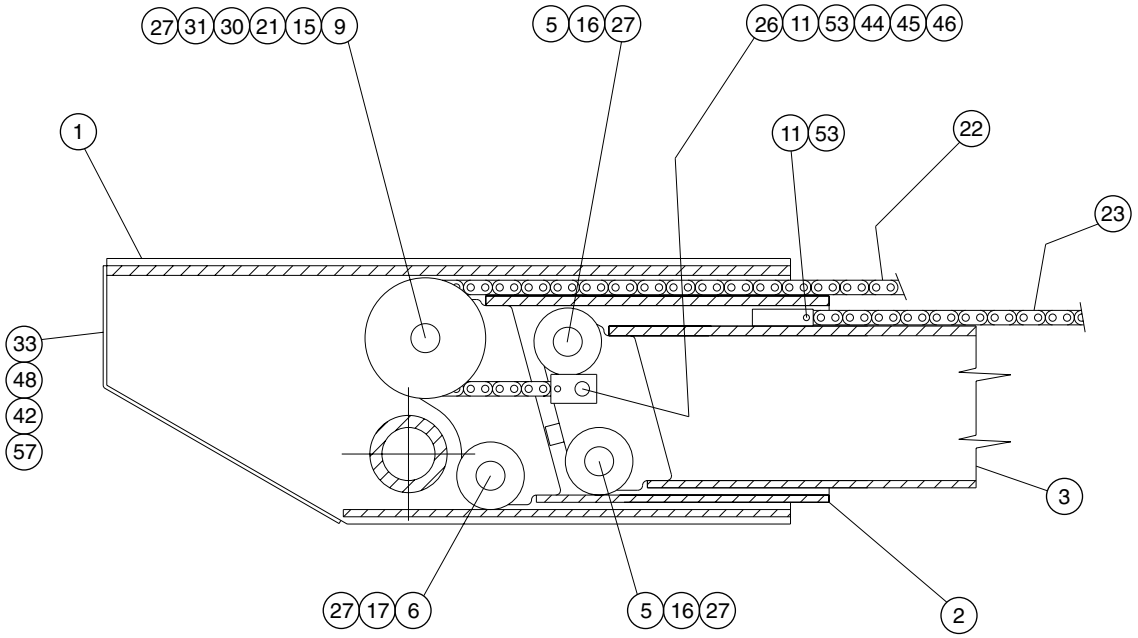
Item	Part No.	Description	Qty.
1	4-2300	Large Boom	1
6	3-1191-2	Pin, M-boom, Rear-Bottom	1
9	3-1191-5	Pin, M-boom, Rear-Top	1
15	4-1246-1B	Roller, M-boom, Rear-Top (includes item 27)	2
17	4-1246-2B	Roller, M-boom, Rear-Bottom (includes item 27)	2
21	4-1074-9B	Sheave, Hose (includes item 27)	1
27	7-193-05	Needle Bearing, 1.5 ID	20
28	6-6600-02	Thrust Washer, 3 x 1.5 x 0.188	6
30	6-6600-04	Thrust Washer, 3.5 x 1.5 x 0.188	2
31	6-6600-12	Thrust Washer, 3.5 x 1.5 x 0.125	8
41	6-6201-06	Hex Nut, 3/8 NC	5
42	6-6211-06	Lock Washer, 3/8	15
43	6-6275-04	Setscrew, 3/8 NC x 3/4 inch	1
50	6-5206-22	Cap Screw, 3/8 NC x 2.75 inches	5

Figure	Rev	Description
505.1	A	Boom Assembly, View 5



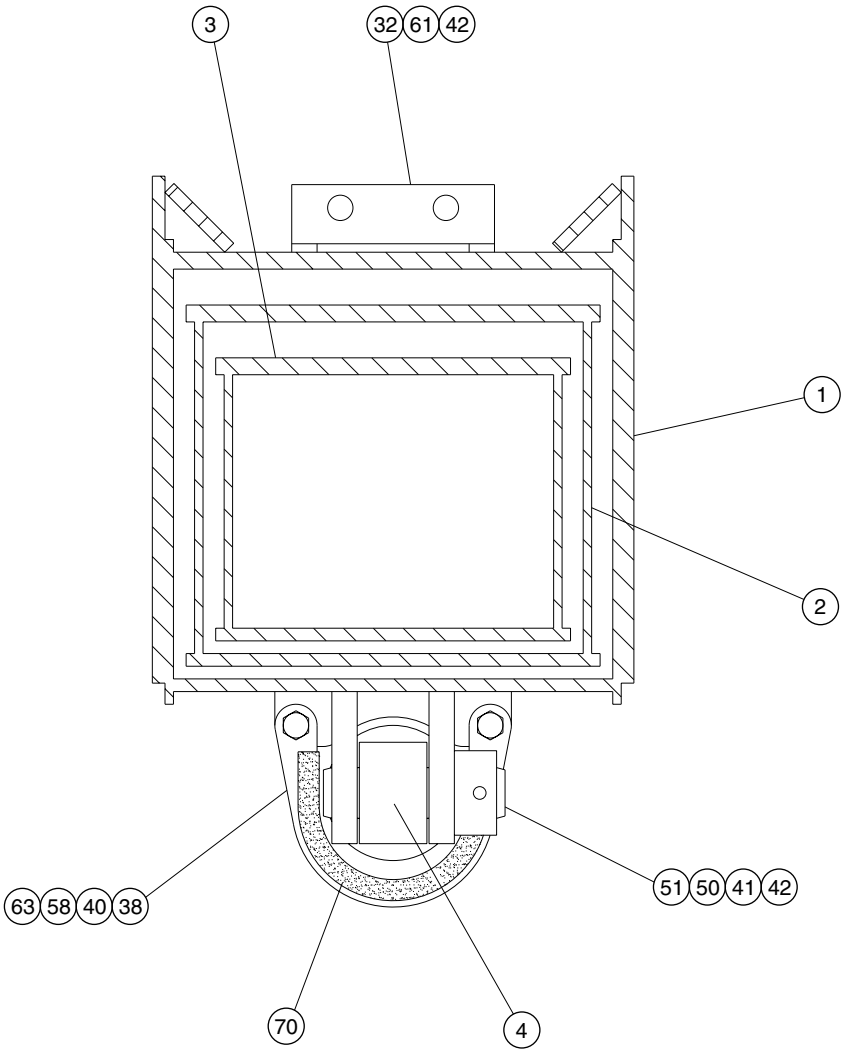
Item	Part No.	Description	Qty.
1	4-2300	Large Boom	1
5	3-1191-1	Pin, S-Boom, Rear-Top-Bottom	2
16	4-1246-2B	Roller, S-Boom, Rear-Top-Bottom (includes item 27)	4
26	4-1237-4	Chain Anchor, Pinned	1
27	7-193-05	Needle Bearing, 1.5 ID	20
28	6-6600-02	Thrust Washer, 3 x 1.5 x 0.188	6
41	6-6201-06	Hex Nut, 3/8 NC	5
42	6-6211-06	Lock Washer, 3/8	15
44	6-5312-64	Cap Screw, 3/4 NF x 8 inches	1
45	6-6202-12	Hex Nut, 3/4 NF	2
46	6-6211-12	Lock Washer, 3/4	4
50	6-5206-22	Cap Screw, 3/8 NC x 2 3/4 inches	5

Figure	Rev	Description
506.1	A	Boom Assembly, View 6



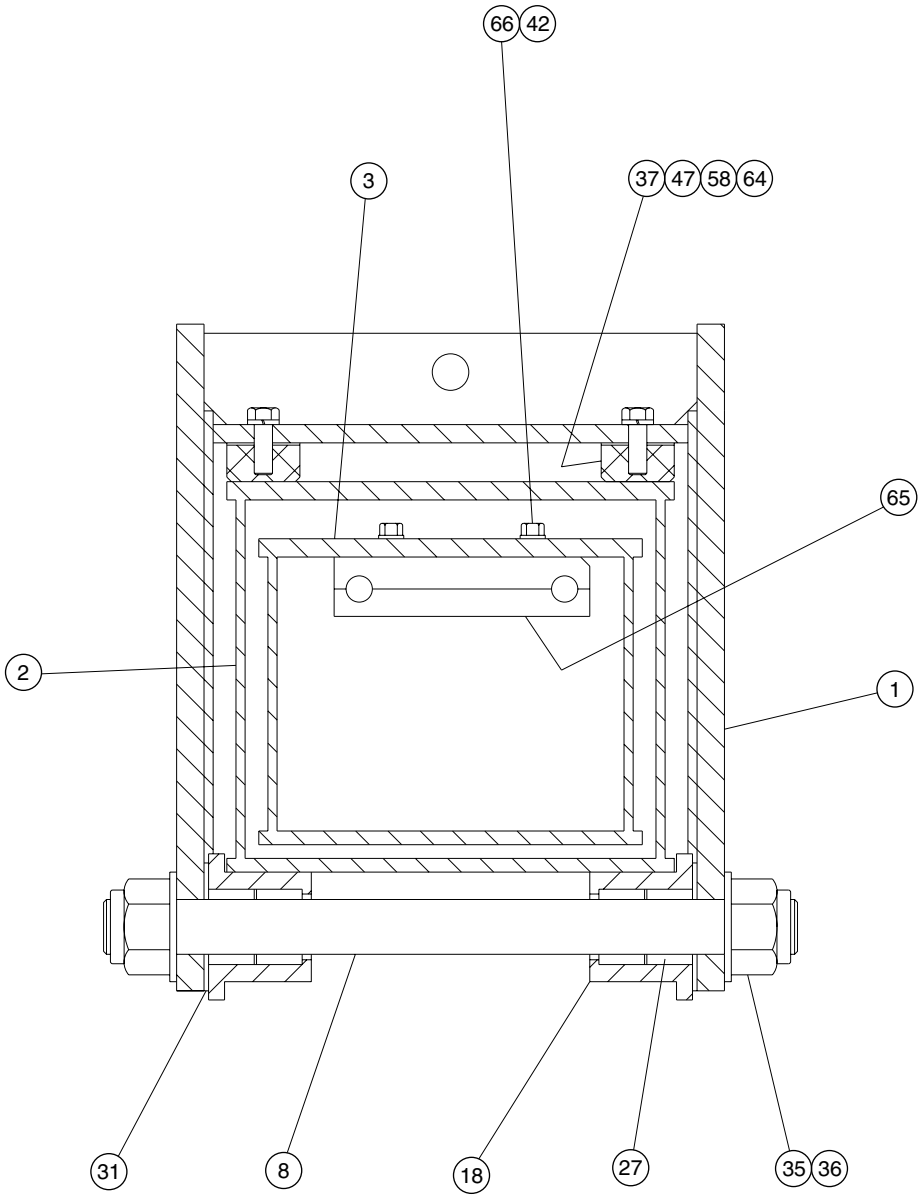
Item	Part No.	Description	Qty.
1	4-2300	Large Boom	1
2	4-2215	Middle Boom	1
3	4-1244	Small Boom	1
5	3-1191-1	Pin, S-Boom, Rear-Top-Bottom	2
6	3-1191-2	Pin, M-Boom, Rear-Bottom	1
9	3-1191-5	Pin, M-Boom, Rear-Top	1
11	2-1052-3	Pin, Leaf Chain	4
15	4-1246-1B	Roller, M-Boom, Rear-Top (includes item 27)	2
16	4-1246-2B	Roller, S-Boom, Rear-Top-Bottom (includes item 27)	4
17	4-1246-2B	Roller, M-Boom, Rear-Bottom (includes item 27)	2
21	4-1074-9B	Sheave, Hose (includes item 27)	1
22	5-2040-191	Leaf Chain, Retraction	1
23	5-2040-191	Leaf Chain, Extension	1
26	4-1237-4	Chain Anchor, Pinned	1
27	7-193-05	Needle Bearing, 1.5 ID	20
30	6-6600-04	Thrust Washer, 3.5 x 1.5 x 0.188	2
31	6-6600-12	Thrust Washer, 3.5 x 1.5 x 0.125	8
33	3-1200	Cover, Rear Access	1
42	6-6211-06	Lock Washer, 3/8	15
44	6-5312-64	Cap Screw, 3/4 NF x 8 inches	1
45	6-6202-12	Hex Nut, 3/4 NF	2
46	6-6211-12	Lock Washer, 3/4	4
48	6-5206-06	Cap Screw, 3/8 NC x 3/4 inch	6
53	6-6243-06	Cotter Pin, 3/32 x 3/4 inch	8
57	6-6212-06	Flat Washer, 3/8	6

Figure	Rev	Description
507.1	A	Boom Assembly, View 7



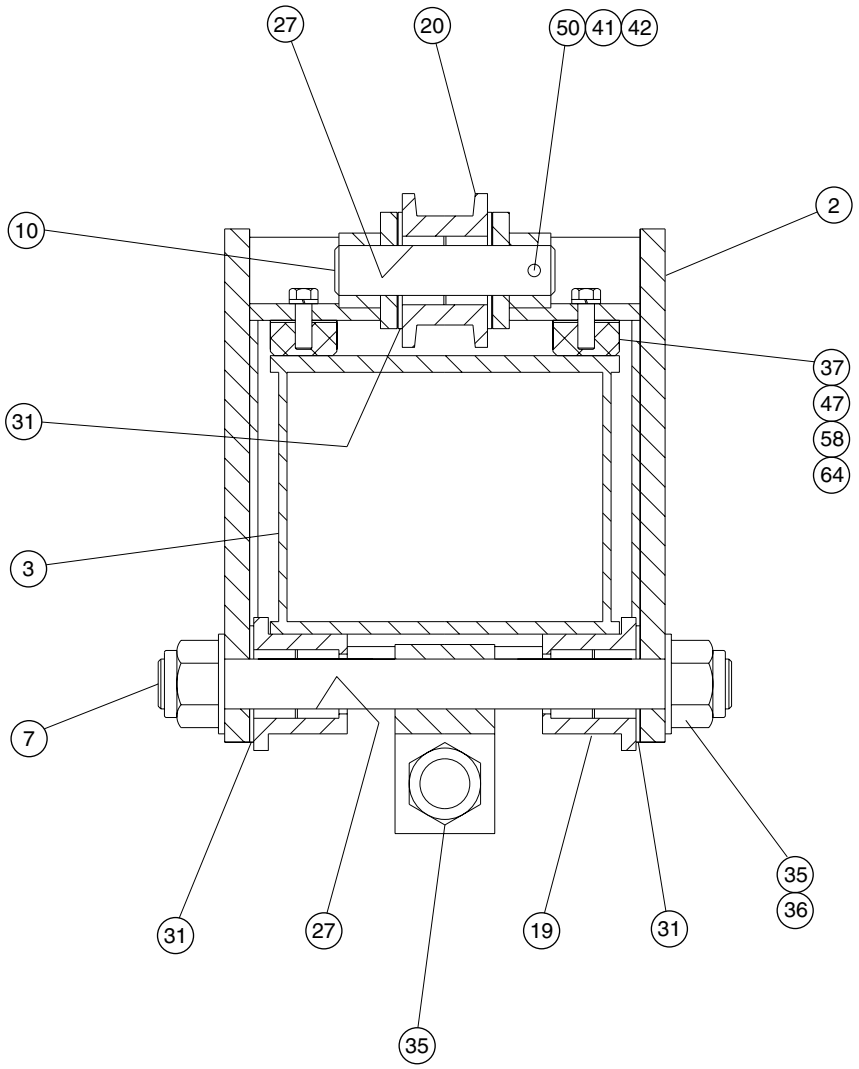
Item	Part No.	Description	Qty.
1	4-2300	Large Boom	1
2	4-2215	Middle Boom	1
3	4-1244	Small Boom	1
4	108525	Boom Cylinder	1
32	2-1051	Manifold Block	1
38	4-1718-1	Support, Boom Cylinder	1
40	6-5208-14	Capscrew, 1/2 NC x 1 3/4 LG	2
41	6-6201-06	Hex Nut, 3/8 NC	5
42	6-6211-06	Lock Washer, 3/8	15
50	6-5206-22	Capscrew, 3/8 NC x 2 3/4 LG	5
51	2-1090	Pin, Base Boom Cylinder	1
58	6-6211-08	Lock Washer, 1/2	12
61	6-5206-20	Capscrew, 3/8 NC x 2 1/2 LG	2
63	6-6201-08	Hex Nut, 1/2 NC	4
70	7-277-01	Edging, 1/2 inch	12 inches

Figure	Rev	Description
508.1	A	Boom Assembly, View 8



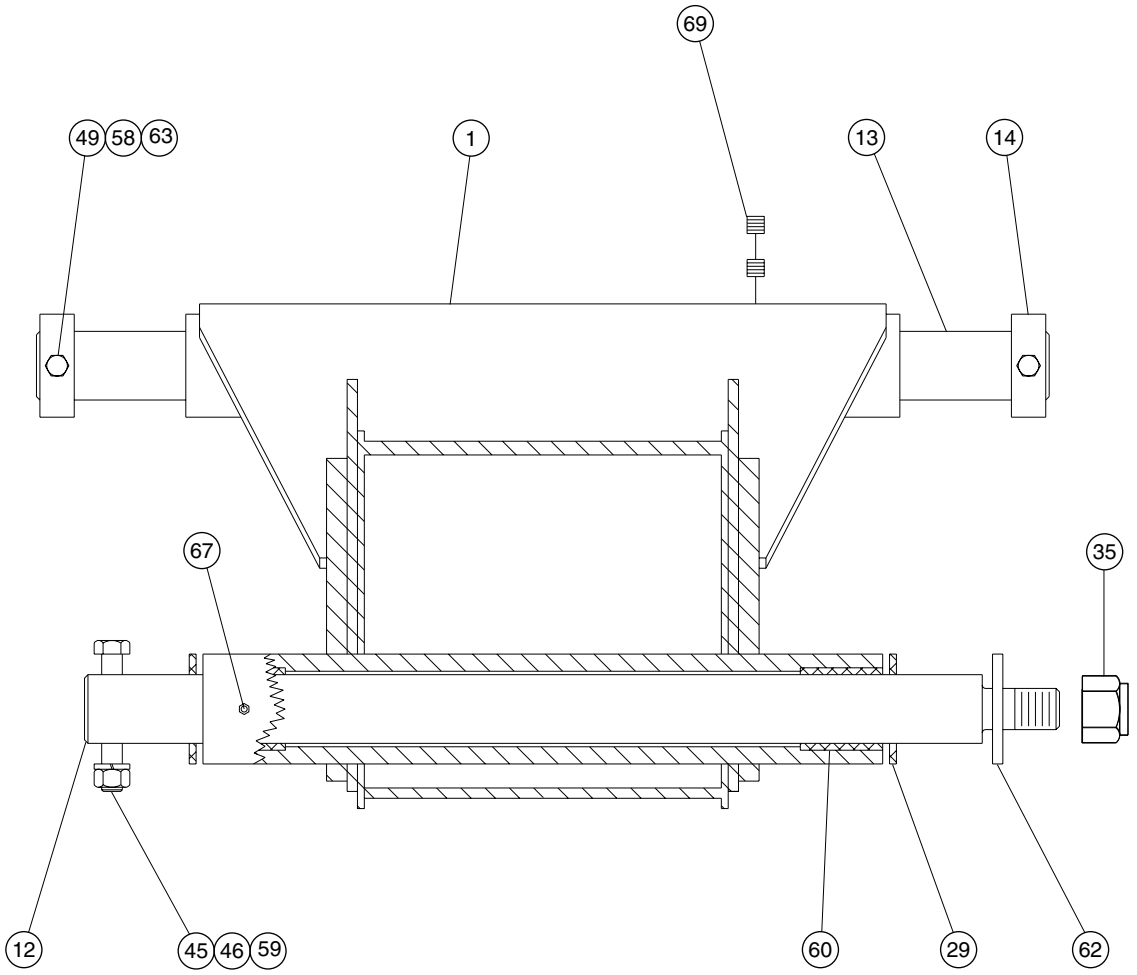
Item	Part No.	Description	Qty.
1	4-2300	Large Boom	1
2	4-2215	Middle Boom	1
3	4-1244	Small Boom	1
8	3-1191-4	Pin, L-Boom, Front-Bottom	1
18	4-1246-3B	Roller, M-Boom, Front-Bottom (includes item 27)	2
27	7-193-05	Needle Bearing, 1.5 I.D.	20
31	6-6600-12	Thrust Washer, 3.5 x 1.5 x 0.125	8
35	6-6206-24	Self Locking Nut, 1 1/2 NF	6
36	6-6215-24	Flat Washer, 1 1/2	4
37	2-1184	Wear Pad, Boom	4
42	6-6211-06	Lock Washer, 3/8	15
47	6-5208-10	Cap Screw, 1/2 NC x 1 1/4 LG	8
58	6-6211-08	Lock Washer, 1/2	12
64	1-1101-3	Shim, 3/16	4
65	2-1109	Clamp, 1/2 Hose	1
66	6-5206-18	Cap Screw, 3/8 NC x 2 1/4 LG	2

Figure	Rev	Description
509.1	A	Boom Assembly, View 9



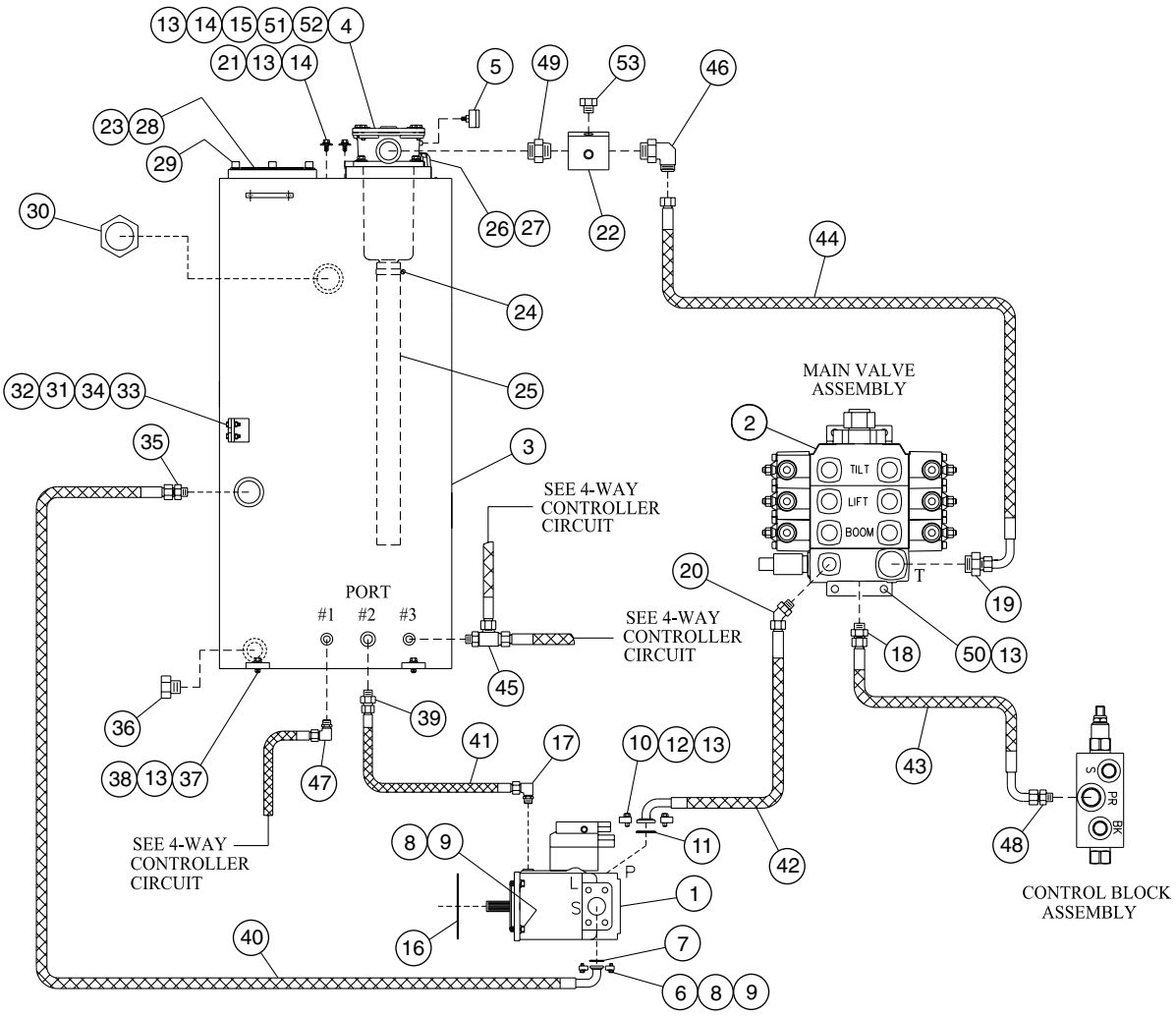
Item	Part No.	Description	Qty.
2	4-2215	Middle Boom	1
3	4-1244	Small Boom	1
7	3-1191-3	Pin, M-Boom, Front-Bottom	1
10	3-1191-6	Pin, Front Chain Sheave	1
19	4-1246-3B	Roller, L-Boom, Front-Bottom (includes item 27)	2
20	4-1246-4B	Sheave, Chain, Front (includes item 27)	1
27	7-193-05	Needle Bearing, 1.5 ID	20
31	6-6600-12	Thrust Washer, 3.5 x 1.5 x 0.125	8
35	6-6206-24	Self Locking Nut, 1 1/2 NF	6
36	6-6215-24	Flat Washer, 1 1/2	4
37	2-1184	Wear Pad, Boom	4
41	6-6201-06	Hex Nut, 3/8 NC	5
42	6-6211-06	Lock Washer, 3/8	15
47	6-5208-10	Cap Screw, 1/2 NC x 1 1/4 LG	8
50	6-5206-22	Cap Screw, 3/8 NC x 2 3/4 LG	5
58	6-6211-08	Lock Washer, 1/2	12
64	1-1101-3	Shim, 3/16	4

Figure	Rev	Description
510.1	A	Boom Assembly, View 10



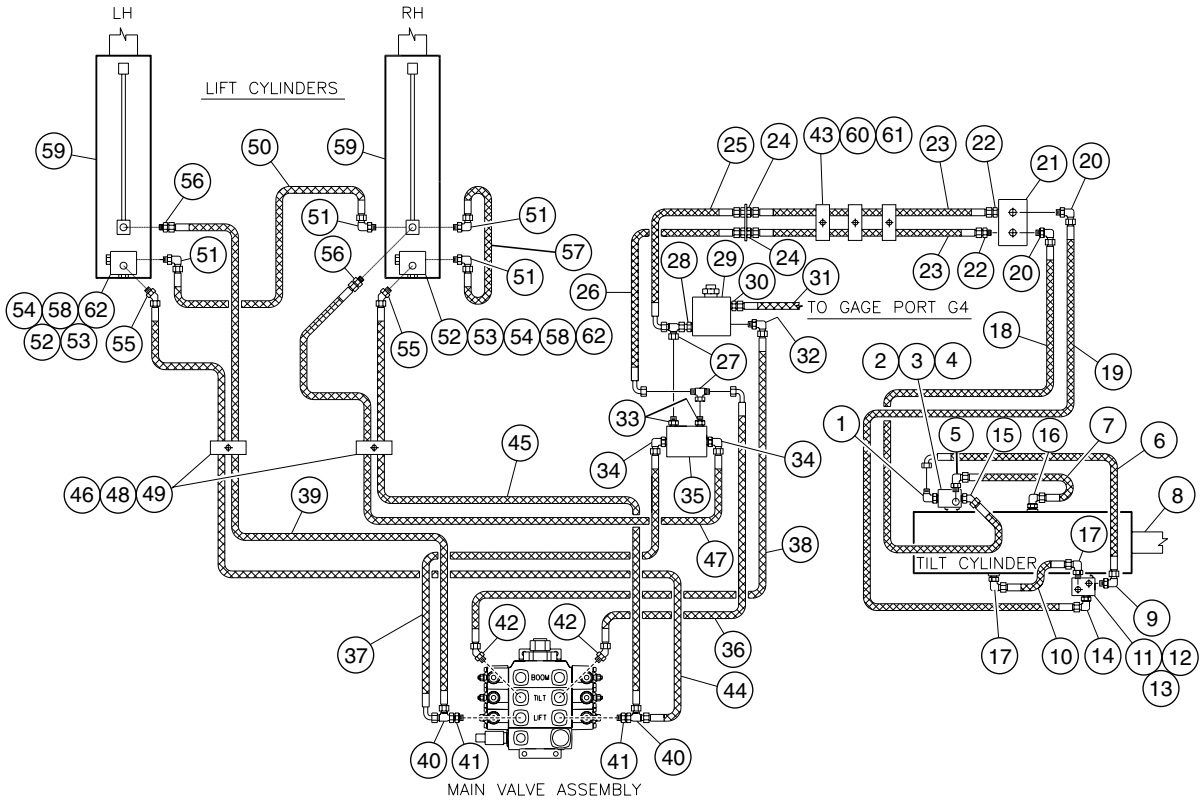
Item	Part No.	Description	Qty.
1	4-2300	Large Boom	1
12	3-1154-4	Cross Shaft, Main Pivot	1
13	3-1305	Cross Shaft, Head Lift Cylinder	1
14	6-2420-10	Collar	2
29	6-6600-13	Thrust Washer, 4 x 2.5 x 0.25	2
35	6-6206-24	Self Locking Nut, 1 1/2 NF	6
45	6-6202-12	Hex Nut, 3/4 NF	2
46	6-6211-12	Lock Washer, 3/4	4
49	6-5208-36	Cap Screw, 1/2 NC x 4.5 inches	2
58	6-6211-08	Lock Washer, 1/2	12
59	6-5312-40	Cap Screw, 3/4 NF x 5 inches	1
60	6-4520-24	Bronze Bushing, Large Boom	2
62	1-1306	Washer, Steel	1
63	6-6201-08	Hex Nut, 1/2 NC	4
67	6-6301	Lube Fitting, 1/8 NPT STR.	4
69	6-6275-07	Set Screw, 5/8 NC x 5/8 inch	2

Figure	Rev	Description
601.1	A	Circuit, Pump, Oil Reservoir



Item	Part No.	Description	Qty.
1	7-345-113	Pump Assembly, 55cc, Splined Shaft	Ref.
2	7-200-80	Valve Assembly, 3 Section	Ref.
3	4-2276	Oil Reservoir	1
4	7-118-01	Filter, Return	Ref.
5	7-272-10	Gauge, Return Filter	Ref.
6	7-107-05	Split Flange Kit, 2 inch (includes item 7)	1
7	7-209-66	O-ring, 2 inch, S.F. (included with item 6)	Ref.
8	6-5208-12	Cap Screw, 1/2 NC x 1.5 inches	Ref.
9	6-6211-08	Lock Washer, 1/2	Ref.
10	7-158-36	Split Flange, 1 inch, Half Only	2
11	7-209-67	O-ring, 1 inch, S.F.	1
12	6-5206-10	Cap Screw, 3/8 NC x 1.25 inches	4
13	6-6211-06	Lock Washer, 3/8	16
14	6-6212-06	Flat Washer, 3/8	6
15	6-5206-08	Cap Screw, 3/8 NC x 1 inch	4
16	7-126-517	Gasket, Pump Drive	Ref.
17	6-6453-10	Fitting, 10 OR x 08 JIC, 90°	1
18	6-6450-17	Fitting, 12 OR x 10 JIC, Straight	1
19	6-6450-27	Fitting, 16 OR x 16 JIC, Straight	1
20	6-6452-08	Fitting, 12 OR x 12 JIC, 45°	1
21	6-5206-06	Cap Screw, 3/8 NC x 0.75 inch	2
22	3-1376	Manifold Block	1
23	7-145-02	O-ring, Access Cover	Ref.
24	7-272-13	T-hose Clamp	1
25	7-364-12	Hose, 1 1/2 I.D. x 24 inches	1
26	7-272-11	Filler-breather, 3 psi	1
27	6-6284-08	Machine Screw, #10-32 x 0.75 inch	6
28	7-145-01	Cover Plate	Ref.
29	6-5606-04	Cap Screw, SH, 3/8 NC x 0.5 inch	Ref.
30	7-161-01	Sight Glass	1
31	2-1179-3	Plate, Pressure Check Ports	Ref.
32	6-5204-06	Cap Screw, 1/4 NC x 0.75 inch	2
33	6-6201-04	Hex Nut, 1/4 NC	2
34	6-6211-04	Lock Washer, 1/4	2
35	7-364-22	Fitting, 24 OR x 24 JIC-O, Straight	1
36	6-6457-10	Fitting, 16 OR Hex Head Plug	1
37	1-2016	Clamp, Oil Reservoir	2
38	6-5206-12	Cap Screw, 3/8 NC x 1.5 inches	2
39	6-6450-12	Fitting, 08 OR x 08 JIC, Straight	1
40	6-7191-206	Hose, 24 x 32-90 S.F. x 103 inches	1
41	6-7004-256	Hose, 08 x 08 x 128 inches	1
42	6-7156-218	Hose, 12 x 16-90 S.F. x 109 inches	1
43	6-7025-36	Hose, 10 x 10-90 x 18 inches	1
44	6-7088-43	Hose, 16 x 16-90 x 21.5 inches	1
45	6-6455-05	Fitting, 06 OR x 06 JIC, Run -Tee	Ref.
46	6-6453-25	Fitting, 20 OR x 16 JIC, 90°	1
47	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	Ref.
48	6-6450-15	Fitting, 08 OR x 10 JIC, Straight	1
49	6-6436-01	Fitting, 20 OR x 20 NPT, Straight	1
50	6-5206-06	Cap Screw, 3/8 NC x 0.75 inch	4
51	7-118-03	O-ring, Return Filter Face	Ref.
52	7-118-02	Element, Return Filter	Ref.
53	6-6457-06	Fitting, 08 OR Hex Head Plug	1

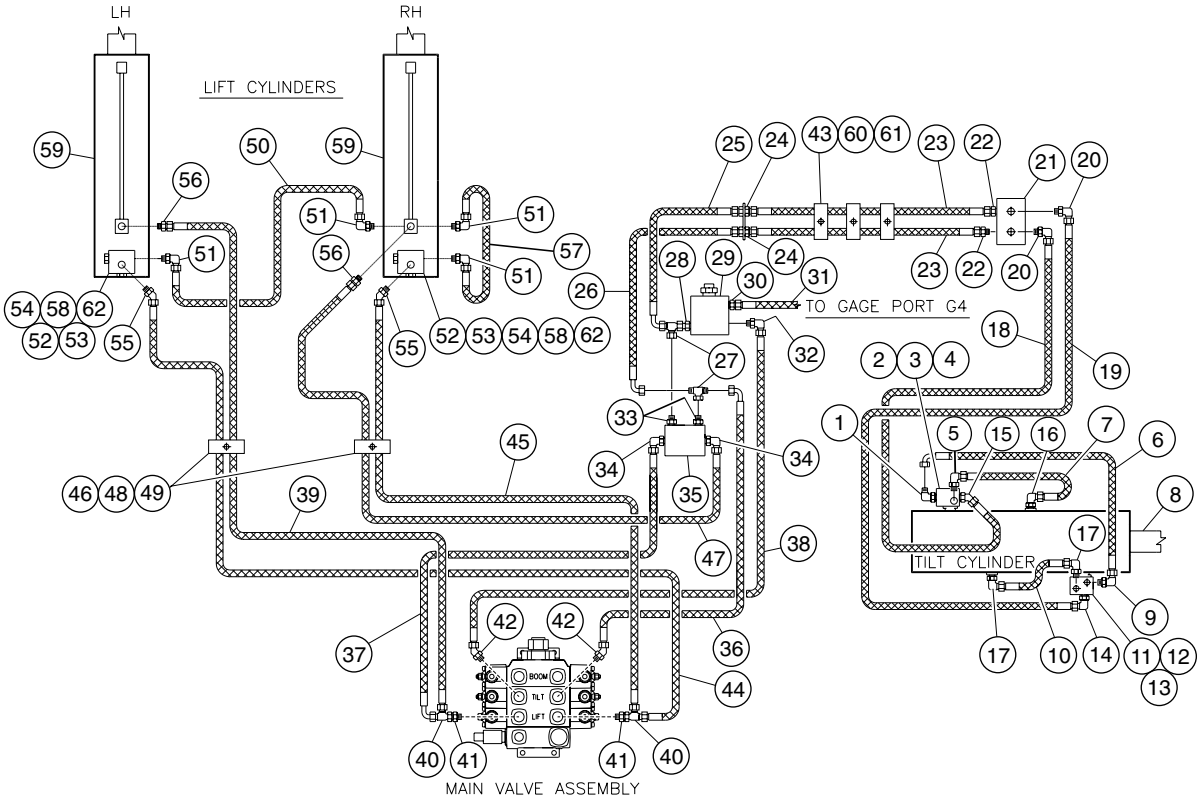
Figure	Rev	Description
602.1	A	Circuit, Lift-tilt



Item	Part No.	Description	Qty.
1	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	1
2	7-234-02	Valve, Motion, Base Tilt	Ref.
3	6-5606-14	Cap Screw, SH, 3/8 NC x 1.75 inches	4
4	6-6214-06	Lock Washer, 3/8, High-collar	4
5	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	1
6	6-7022-60	Hose, 04 x 04-90 x 30 inches	1
7	6-7002-26	Hose, 04 x 04 x 13 inches	1
8	108526	Cylinder, Tilt	Ref.
9	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	1
10	6-7003-40	Hose, 06 x 06 x 20 inches	1
11	7-234-01	Valve, Motion, Head Tilt	Ref.
12	6-5606-22	Cap Screw, SH, 3/8 NC x 2.75 inches	4
13	6-6214-06	Lock Washer, 3/8, High-collar	4
14	6-6453-09	Fitting, 08 OR x 08 JIC, 90°	1
15	6-6452-04	Fitting, 08 OR x 08 JIC, 45°	1
16	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	1
17	6-6453-06	Fitting, 06 OR x 06 JIC, 90°	2
18	6-7004-670	Hose, 08 x 08 x 335 inches	1
19	6-7004-670	Hose, 08 x 08 x 335 inches	1
20	6-6453-09	Fitting, 08 OR x 08 JIC, 90°	2
21	2-1051	Manifold Block	Ref.
22	6-6450-12	Fitting, 08 OR x 08 JIC, Straight	2
23	6-7014-260	Hose, 08 x 10 x 130 inches	2
24	6-6475-07	Fitting, 10 JIC, BH-Union, Straight	2
25	6-7025-120	Hose, 10 x 10-90 x 60 inches	1
26	6-7025-120	Hose, 10 x 10-90 x 60 inches	1
27	6-6480-07	Fitting, 10 JIC, SW-BR-Tee	2
28	6-6485-03	Fitting, 10 OR x 10 JIC, SW	1
29	7-234-50	Valve, Tilt Limiter	Ref.
30	6-6450-05	Fitting, 06 OR x 04 JIC, Straight	1
31	6-7022-30	Hose, 04 x 04-90 x 15 inches	Ref.
32	6-6453-12	Fitting, 10 OR x 10 JIC, 90°	1
33	6-6450-15	Fitting, 08 OR x 10 JIC, Straight	2
34	6-6453-11	Fitting, 08 OR x 10 JIC, 90°	2
35	7-234-04	Valve, Dual Check	Ref.
36	6-7025-36	Hose, 10 x 10-90 x 18 inches	1
37	6-7025-36	Hose, 10 x 10-90 x 18 inches	1
38	6-7005-32	Hose, 10 x 10 x 16 inches	1
39	6-7005-154	Hose, 10 x 10 x 77 inches	1
40	6-6481-07	Fitting, 10 JIC, SW-Run-Tee	2
41	6-6450-17	Fitting, 12 OR x 10 JIC, Straight	2
42	6-6452-17	Fitting, 12 OR x 10 JIC, 45°	2
43	6-5205-14	Cap Screw, 5/16 NC x 1.75 inches	3
44	6-7005-148	Hose, 10 x 10 x 74 inches	1
45	6-7005-126	Hose, 10 x 10 x 63 inches	1
46	7-273-32	Clamp Half Set, 5/8 Twin Hose	2
47	6-7005-148	Hose, 10 x 10 x 74 inches	1
48	7-273-26	Cover Plate, 5/8 Hose Clamp	2
49	6-5205-16	Cap Screw, 5/16 NC x 2 inches	2
50	6-7002-115	Hose, 04 x 04 x 57.5 inches	1
51	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	4
52	7-234-54	Valve, Motion Lift	Ref.
53	6-5606-22	Cap Screw, SH, 3/8 NC x 2.75 inches	8
54	6-6214-06	Lock Washer, 3/8, High-collar	8
55	6-6452-06	Fitting, 10 OR x 10 JIC, 45°	2
56	6-6450-16	Fitting, 10 0R x 10 JIC, Straight	2
57	6-7002-17	Hose, 04 x 04 x 8.5 inches	1
58	6-6457-05	Fitting, 06 OR Hex Head Plug	4

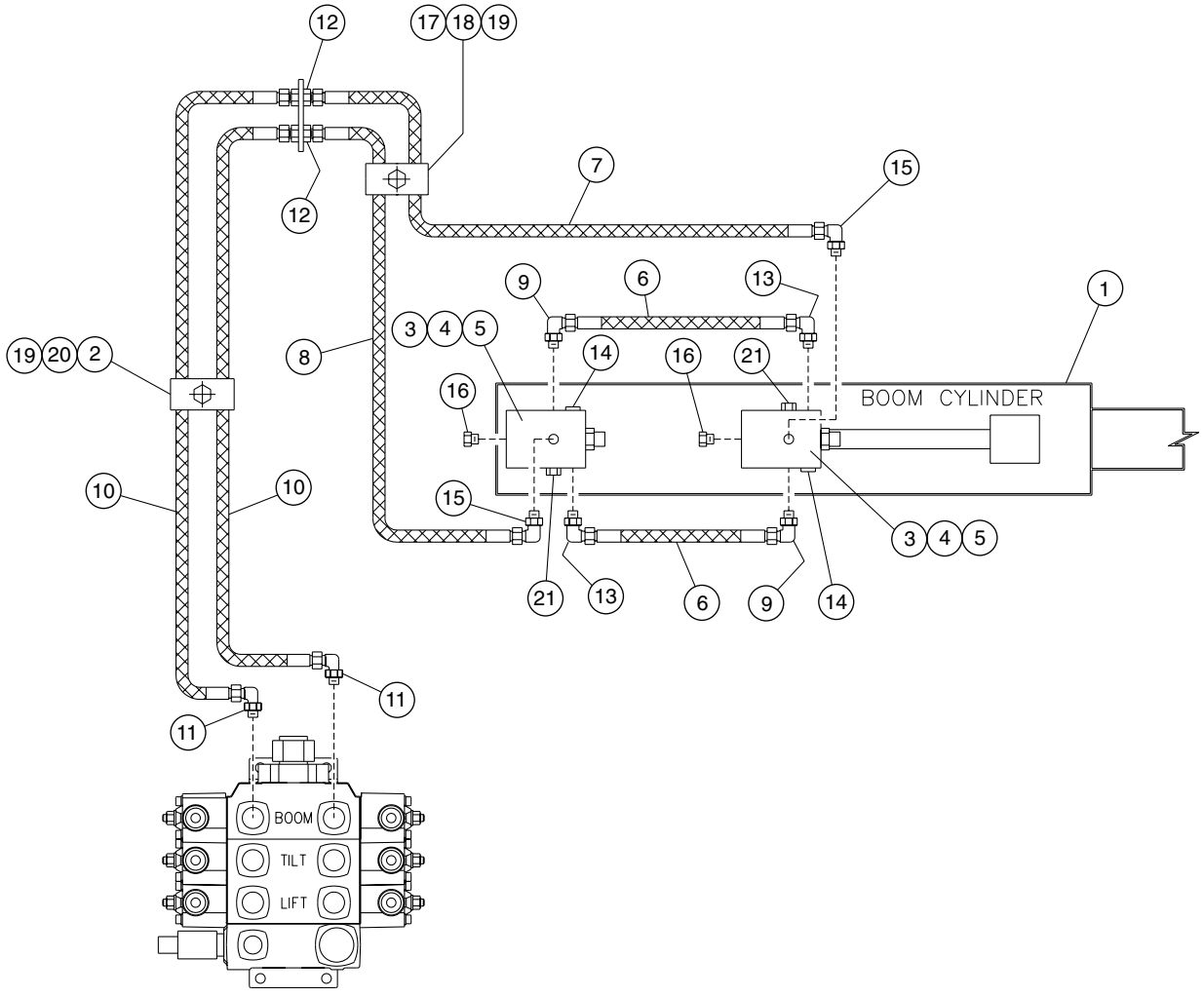
This list continues on the next page.

Figure	Rev	Description
602.1	A	Circuit, Lift-tilt



Item	Part No.	Description	Qty.
59	108524	Cylinder, Lift	Ref.
60	7-273-25	Clamp Half Set, 1/2, Hose Twin	3
61	7-273-26	Cover Plate, 1/2, Hose Clamp	3
62	6-6460-01	Fitting, 04 OR Hollow Hex Plug	Ref.

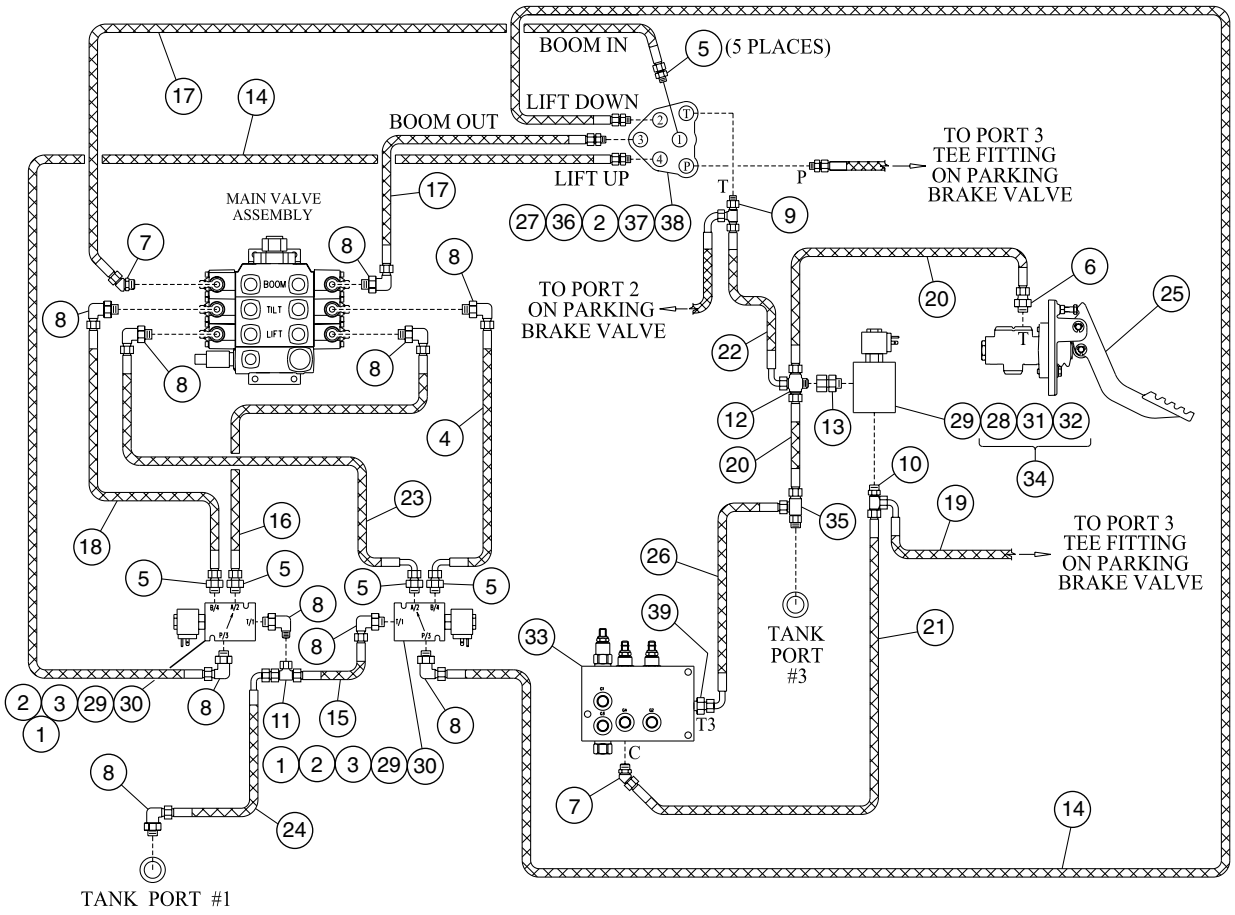
Figure	Rev	Description
603.1	A	Circuit, Boom



MAIN VALVE ASSEMBLY

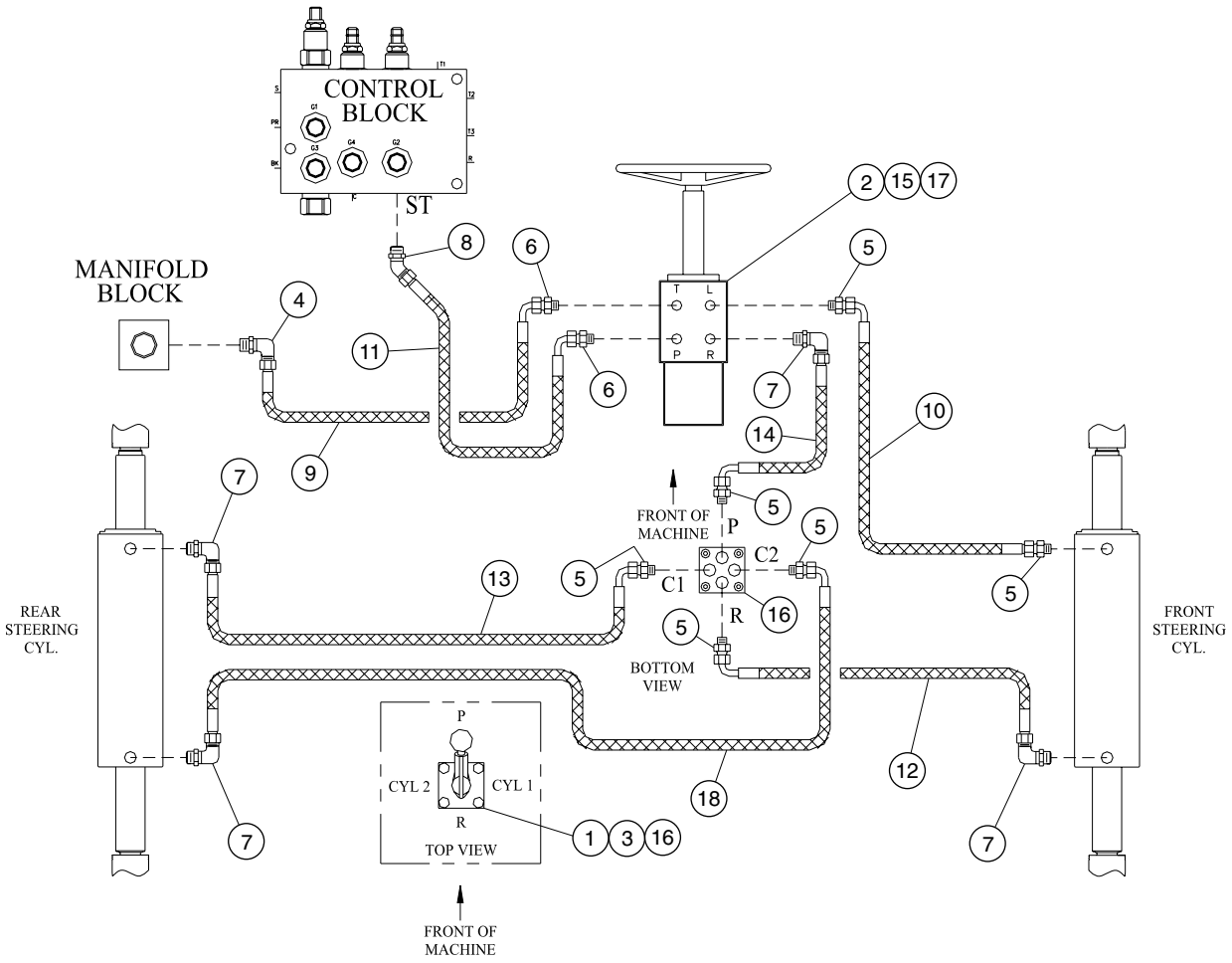
Item	Part No.	Description	Qty.
1	108525	Cylinder, Boom	Ref.
2	7-273-32	Clamp, Half Set, 5/8, Twin Hose	2
3	7-234-03	Valve, Motion, Boom	Ref.
4	6-5606-22	Cap Screw, SH, 3/8 NC x 2.75 inches	8
5	6-6214-06	Lock Washer, 3/8, High-collar	8
6	6-7002-26	Hose, 04 x 04 x 13 inches	2
7	6-7005-142	Hose, 10 x 10 x 71 inches	1
8	6-7005-116	Hose, 10 x 10 x 58 inches	1
9	6-6453-03	Fitting, 04 OR x 04 JIC, 90°	2
10	6-7005-126	Hose, 10 x 10 x 63 inches	2
11	6-6453-13	Fitting, 12 OR x 10 JIC, 90°	2
12	6-6475-07	Fitting, 10 JIC, BH Union	2
13	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	2
14	6-6460-02	Fitting, 06 OR Hollow Hex Plug	2
15	6-6453-12	Fitting, 10 OR x 10 JIC, 90°	2
16	6-6457-05	Fitting, 06 OR Hex Head Plug	2
17	6-5205-16	Cap Screw, 5/16 NC x 2 inches	1
18	7-273-32	Clamp, Half Set, 5/8, Hose Twin	1
19	7-273-26	Cover Plate, 5/8, Hose Clamp	2
20	6-5205-30	Cap Screw, 5/16 NC x 3.75 inches	1
21	6-6457-03	Fitting, 04 OR Hex Head Plug	2

Figure	Rev	Description
604.1	A	Circuit, 4-Way Controller



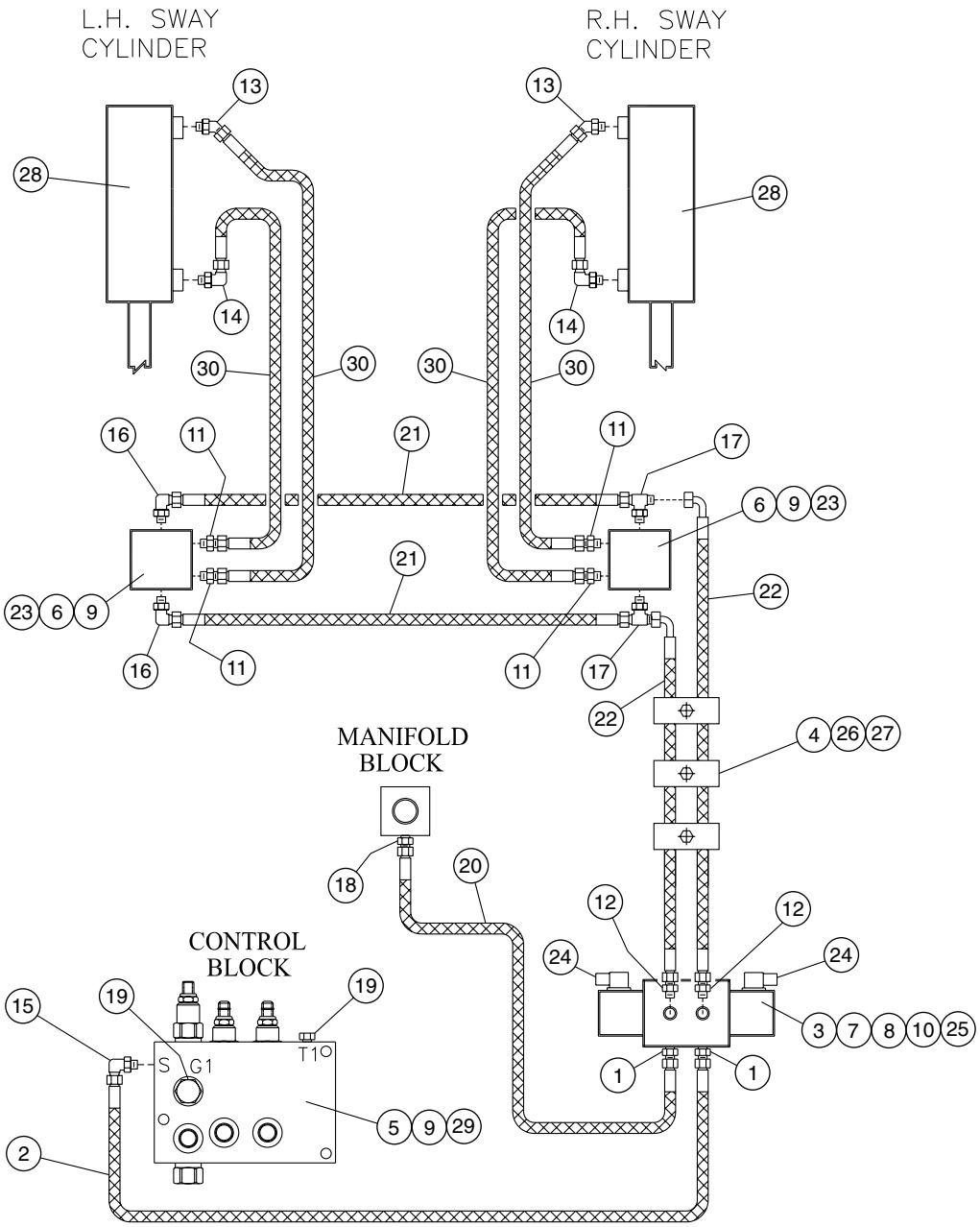
Item	Part No.	Description	Qty.
1	6-5204-14	Cap Screw, 1/4 NC x 1.75 inches	4
2	6-6211-04	Lock Washer, 1/4	4
3	6-6212-04	Flat Washer, 1/4	8
4	6-7022-34	Hose, 04 x 04-90 x 17 inches	1
5	6-6450-05	Fitting, 06 OR x 04 JIC, Straight	9
6	6-6450-08	Fitting, 06 OR x 06 JIC, Straight	1
7	6-6452-19	Fitting, 06 OR x 04 JIC, 45°	2
8	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	10
9	6-6455-05	Fitting, 06 OR x 06 JIC, RN-Tee	1
10	6-6455-15	Fitting, 06 OR x 04 JIC, RN-Tee	1
11	6-6480-03	Fitting, 04 JIC, SW-BR-Tee	1
12	6-6483-05	Fitting, 06 JIC, Cross	1
13	6-6485-06	Fitting, 06 OR x 06 JIC, Swivel	1
14	6-7002-244	Hose, 04 x 04 x 122 inches	2
15	6-7002-17	Hose, 04 x 04 x 8.5 inches	1
16	6-7002-26	Hose, 04 x 04 x 13 inches	1
17	6-7002-276	Hose, 04 x 04 x 138 inches	2
18	6-7002-34	Hose, 04 x 04 x 17 inches	1
19	6-7022-100	Hose, 04 x 04-90 x 50 inches	1
20	6-7003-150	Hose, 06 x 06 x 75 inches	2
21	6-7002-180	Hose, 04 x 04 x 90 inches	1
22	6-7023-80	Hose, 06 x 06-90 x 40 inches	1
23	6-7022-44	Hose, 04 x 04-90 x 22 inches	1
24	6-7022-28	Hose, 04 x 04-90 x 14 inches	1
25	7-198-48	Actuator, Hanging Brake Pedal	Ref.
26	6-7023-32	Hose, 06 x 06-90 x 16 inches	1
27	7-200-139	Controller, 4-Way	Ref.
28	7-367-06	Cartridge, Normally Open	Ref.
29	7-244-27	Din Connector	Ref.
30	7-367-09	Valve, Electric 4-Way (2)	Ref.
31	7-367-05	Coil, Din	Ref.
32	7-367-07	Valve Body, Controller Relief	Ref.
33	7-234-94	Control Block	Ref.
34	7-367-01	Valve Assembly, Controller Relief (includes items 28, 31 and 32)	Ref.
35	6-6455-05	Fitting, 06 OR x 06 JIC, RN-Tee	1
36	6-5204-06	Cap Screw, 1/4 NC x 0.75 inch	4
37	6-6211-04	Lock Washer, 1/4	4
38	6-6201-04	Hex Nut, 1/4 NC	4
39	6-6450-08	Fitting, 06 OR x 06 JIC, Straight	1

Figure	Rev	Description
605.1	A	Circuit, Steering



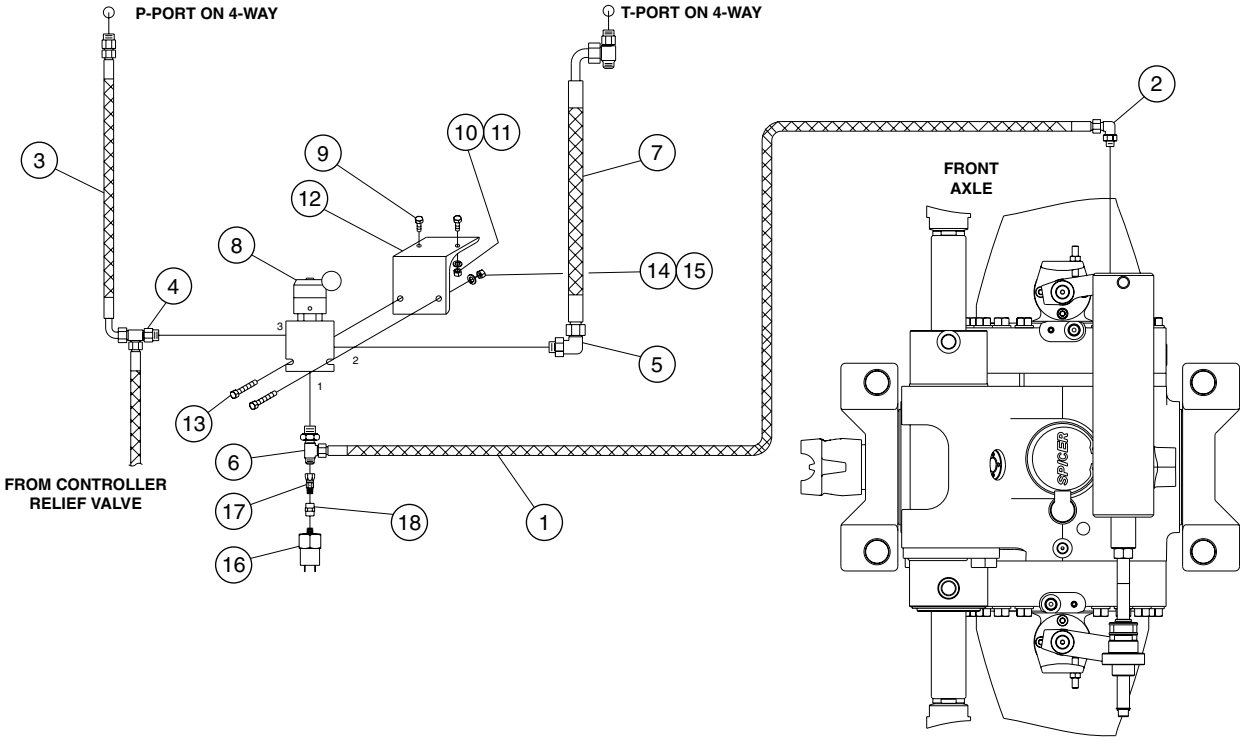
Item	Part No.	Description	Qty.
1	6-5205-06	Cap Screw, 5/16 NC x 0.75 inch	4
2	6-5206-08	Cap Screw, 3/8 NC x 1 inch	4
3	6-6211-05	Lock Washer, 5/16	4
4	6-6453-09	Fitting, 08 OR x 08 JIC, 90°	1
5	6-6450-09	Fitting, 08 OR x 06 JIC, Straight	6
6	6-6450-12	Fitting, 08 OR x 08 JIC, Straight	2
7	6-6453-07	Fitting, 08 OR x 06 JIC, 90°	4
8	6-6452-04	Fitting, 08 OR x 08 JIC, 45°	1
9	6-7024-370	Hose, 08 x 08-90 x 185 inches	1
10	6-7023-194	Hose, 06 x 06-90 x 97 inches	1
11	6-7024-328	Hose, 08 x 08-90 x 164 inches	1
12	6-7023-244	Hose, 06 x 06-90 x 122 inches	1
13	6-7023-272	Hose, 06 x 06-90 x 136 inches	1
14	6-7023-40	Hose, 06 x 06-90 x 20 inches	1
15	7-147-48	Steering Orbitral	Ref.
16	7-359-02	Valve, Steering, Selector	Ref.
17	6-6211-06	Lock Washer, 3/8	4
18	6-7023-280	Hose, 06 x 06-90 x 140 inches	1

Figure	Rev	Description
606.1	A	Circuit, Sway



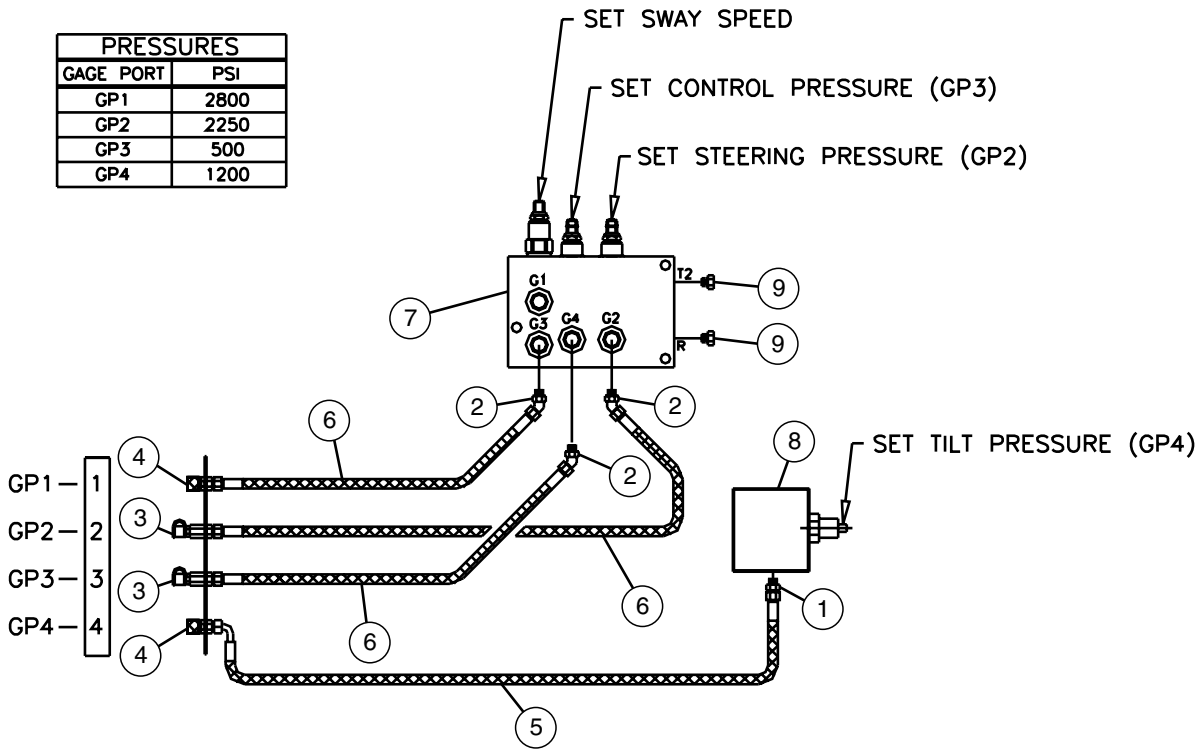
Item	Part No.	Description	Qty.
1	110129	Restrictor Fitting, 0.060	2
2	6-7003-40	Hose, 06 x 06 x 20 inches	1
3	6-5204-12	Cap Screw, 1/4 NC x 1.5 inches	2
4	6-5205-10	Cap Screw, 5/16 NC x 1.25 inches	3
5	6-5205-20	Cap Screw, 5/16 NC x 2.5 inches	3
6	6-5205-14	Cap Screw, 5/16 NC x 1.75 inches	4
7	6-6201-04	Hex Nut, 1/4 NC	2
8	6-6211-04	Lock Washer, 1/4	2
9	6-6211-05	Lock Washer, 5/16	7
10	6-6212-04	Flat Washer, 1/4	2
11	6-6450-06	Fitting, 08 OR x 04 JIC, Straight	4
12	6-6450-08	Fitting, 06 OR x 06 JIC, Straight	2
13	6-6452-19	Fitting, 06 OR x 04 JIC, 45°	2
14	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	2
15	6-6453-06	Fitting, 06 OR x 06 JIC, 90°	1
16	6-6453-09	Fitting, 08 OR x 08 JIC, 90°	2
17	6-6454-06	Fitting, 08 OR x 08 JIC, BR-Tee	2
18	6-6450-09	Fitting, 08 OR x 06 JIC, Straight	1
19	6-6457-05	Fitting, 06 OR Plug	2
20	6-7003-74	Hose, 06 x 06 x 37 inches	1
21	6-7004-36	Hose, 08 x 08 x 18 inches	2
22	6-7033-296	Hose, 06 x 08-90 x 148 inches	2
23	7-234-04	Valve, Dual Check	Ref.
24	7-244-27	Din Connector	Ref.
25	7-244-31	Valve, Electric, Sway	1
26	7-273-23	Top Plate, 3/8 Hose Clamp	3
27	7-273-27	Clamp, Half Set, 3/8 Twin Hose	3
28	7-182-34	Cylinder, Sway	Ref.
29	7-234-94	Control Block	Ref.
30	6-7002-86	Hose, 04 x 04 x 43 inches	4

Figure	Rev	Description
607.1	A	Circuit, Parking Brake



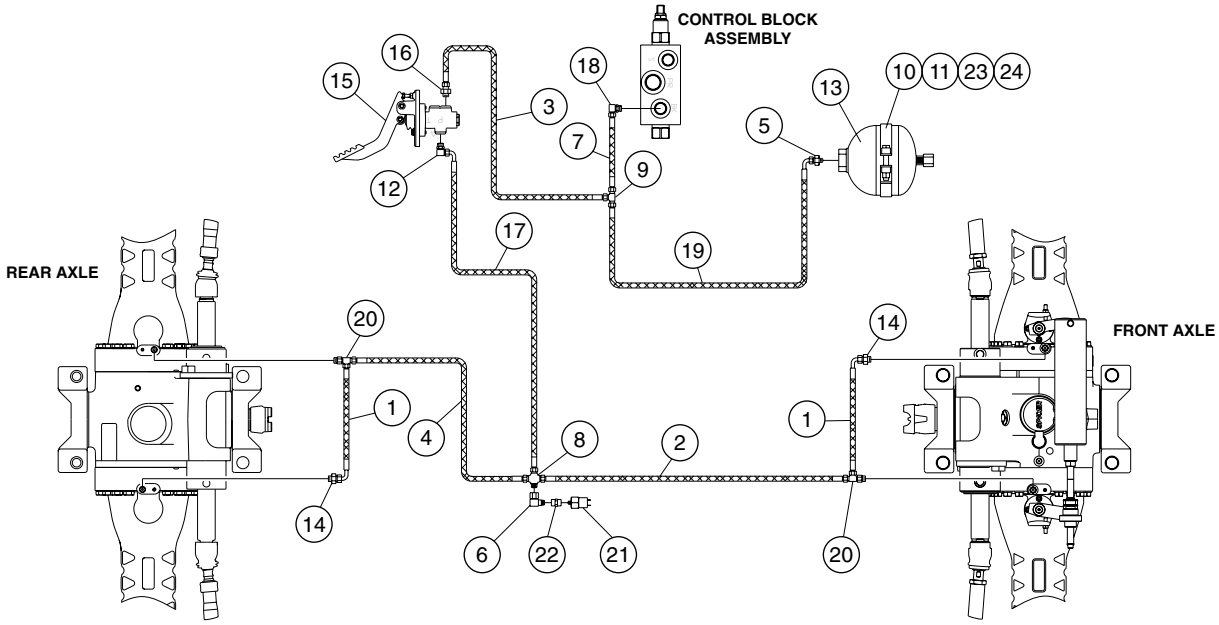
Item	Part No.	Description	Qty.
1	6-7012-228	Hose, 04 x 06 x 114 inches	1
2	108672	Fitting, 14 Gas x 06 JIC, 90°	1
3	6-7022-100	Hose, 04 x 04-90 x 50 inches	1
4	6-6455-15	Fitting, 06 OR x 04 JIC, RN-Tee	1
5	6-6453-06	Fitting, 06 OR x 06 JIC, 90°	1
6	6-6455-15	Fitting, 06 OR x 04 JIC, RN-Tee	1
7	6-7023-100	Hose, 06 x 06-90 x 50 inches	1
8	7-358-08	Valve, Parking Brake	Ref.
9	6-5205-08	Cap Screw, 5/16 NC x 1 inch	2
10	6-6201-05	Hex Nut, 5/16 NC	2
11	6-6211-05	Lock Washer, 5/16	2
12	2-1205	Mounting Bracket, Brake Valve	1
13	6-5204-16	Cap Screw, 1/4 NC x 2 inches	2
14	6-6201-04	Hex Nut, 1/4 NC	2
15	6-6211-04	Lock Washer, 1/4	2
16	7-359-16	Pressure Switch, Parking Brake	1
17	6-6486-01	Fitting, 02 NPT M. x 04 JIC, SW.	1
18	6-6440-02	Fitting, 02 NPT Coupler	1

Figure	Rev	Description
608.1	A	Circuit, Pressure Checks



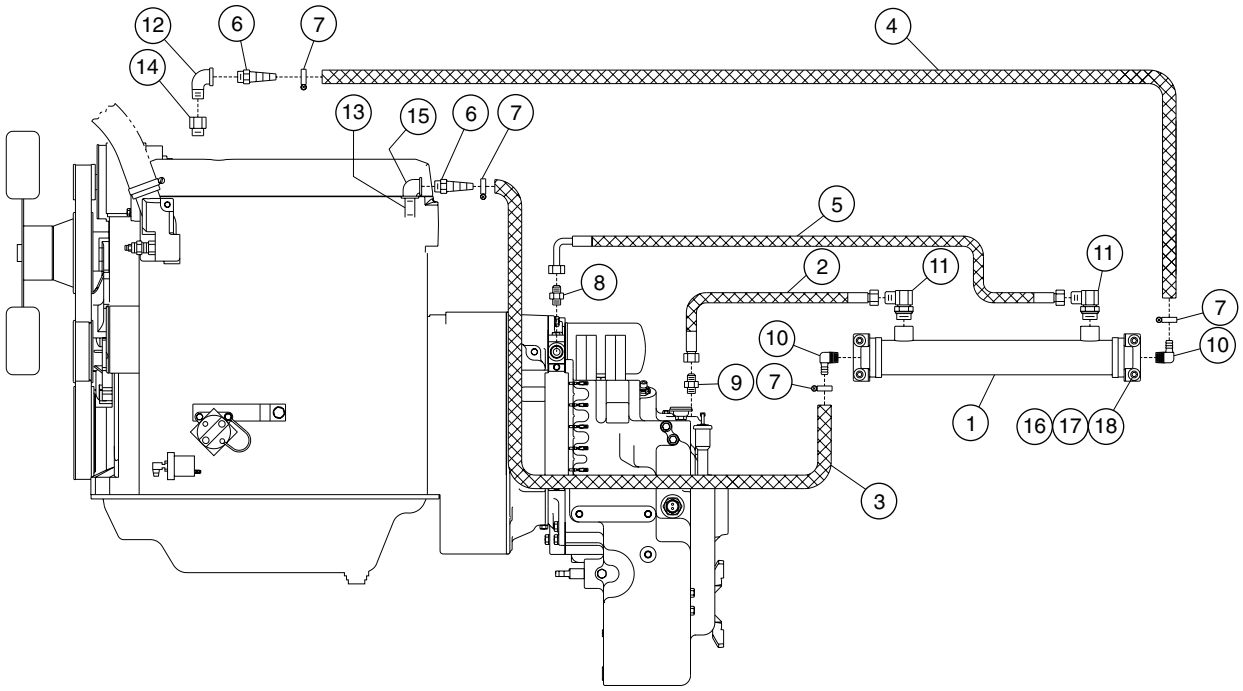
Item	Part No.	Description	Qty.
1	6-6450-05	Fitting, 06 OR x 04 JIC, Straight	1
2	6-6452-19	Fitting, 06 OR x 04 JIC, 45°	3
3	7-256-27	Pressure Check, Male	2
4	7-302-01	Pressure Check, Male	2
5	6-7022-30	Hose, 04 x 04-90 x 15 inches	1
6	6-7002-34	Hose, 04 x 04 x 17 inches	3
7	7-234-94	Control Block	Ref.
8	7-234-50	Valve, Tilt Limiter	Ref.
9	6-6457-05	Fitting, 06 OR Plug	2

Figure	Rev	Description
609.1	A	Circuit, Brake



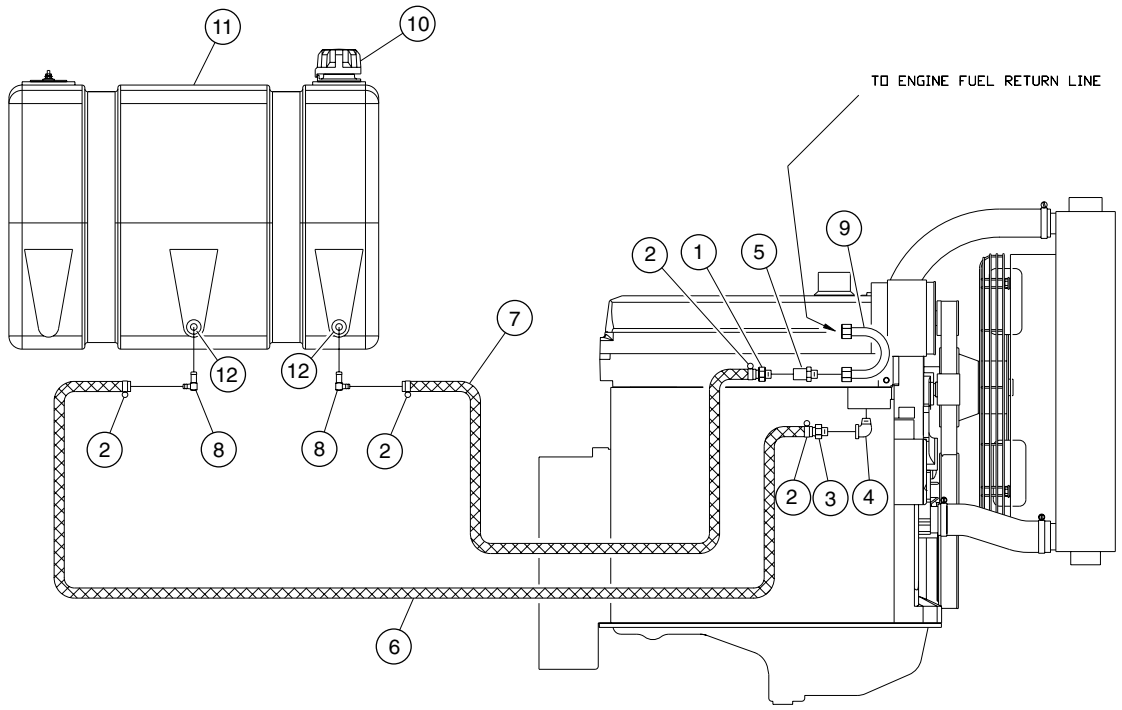
Item	Part No.	Description	Qty.
1	6-7023-28	Hose, 06 x 06-90 x 14 inches	2
2	6-7003-124	Hose, 06 x 06 x 62 inches	1
3	6-7002-86	Hose, 04 x 04 x 43 inches	1
4	6-7003-174	Hose, 06 x 06 x 87 inches	1
5	6-6450-06	Fitting, 08 OR x 04 JIC, Straight	1
6	6-6435-03	Fitting, 04 NPT M. x 06 JIC, 90° SW	1
7	6-7002-244	Hose, 04 x 04 x 122 inches	1
8	6-6483-05	Fitting, 06 JIC, Cross	1
9	6-6482-03	Fitting, 04 JIC, Tee	1
10	6-5205-08	Cap Screw, 5/16 NC x 1 inch	2
11	6-6212-05	Flat Washer, 5/16	2
12	6-6453-06	Fitting, 06 OR x 06 JIC, 90°	1
13	7-110-02	Accumulator, Brake	Ref.
14	7-371-04	Fitting, 14 mm OR x 06 JIC, Straight	2
15	7-198-48	Actuator, Hanging Brake Pedal	Ref.
16	6-6450-05	Fitting, 06 OR x 04 JIC, Straight	1
17	6-7023-100	Hose, 06 x 06-90 x 50 inches	1
18	6-6453-04	Fitting, 06 OR x 04 JIC, 90°	1
19	6-7022-88	Hose, 04 x 04-90 x 44 inches	1
20	108666	Fitting, 14 mm OR x 06 JIC, RN-Tee	2
21	7-359-17	Pressure Switch, Clutch Cut -off	1
22	6-6402-02	Fitting, 02 NPT F. x 04 NPT F.	1
23	7-110-03	Bracket, Accumulator	1
24	7-173-05	Spring Clip, 5/16 NC	2

Figure	Rev	Description
610.1	A	Circuit, Oil Cooler



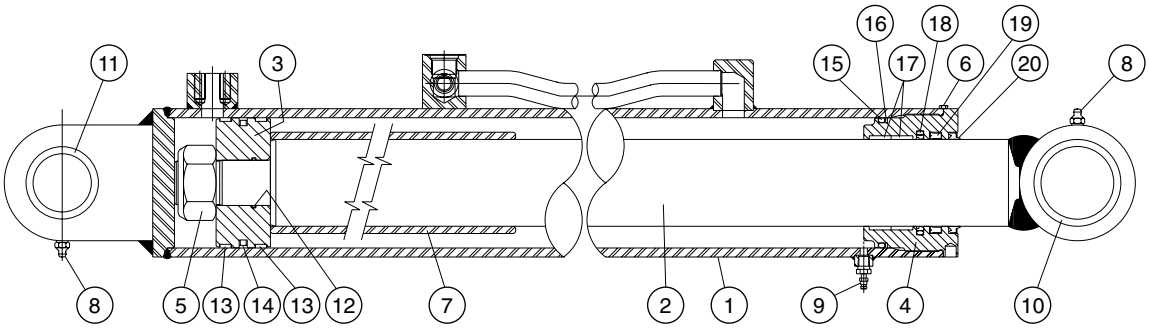
Item	Part No.	Description	Qty.
1	7-236-08	Oil Cooler	1
2	6-7006-44	Hose, 12 x 12 x 22 inches	1
3	7-158-63	Hose, Heater, 3/4 ID	40 inches
4	7-158-63	Hose, Heater, 3/4 ID	58 inches
5	6-7045-56	Hose, 12 x 10-90 x 28 inches	1
6	6-6423-18	Hose End, 12-08 Male Pipe	2
7	6-6252-04	Hose Clamp, No. 12	4
8	6-6450-16	Fitting, 10 OR x 10 JIC, Straight	1
9	6-6450-20	Fitting, 12 OR x 12 JIC, Straight	1
10	6-6400-19	Fitting, 3/4 NPT x 3/4 Hose Barb, 90°	2
11	6-6453-15	Fitting, 12 OR x 12 JIC, 90°	2
12	6-6437-04	Fitting, 08 NPT ST Elbow Blk-P	1
13	6-6413-03	Fitting, 1/2 Pipe Nipple	1
14	6-6459-01	Fitting, 18 mm x 08 NPT Red	1
15	6-6438-04	Fitting, 08 NPT Elbow Blk-P	1
16	6-5605-06	Cap Screw, SH, 5/16 NC x 0.75 inch	4
17	6-6212-05	Flat Washer, 5/16	4
18	6-6211-05	Lock Washer, 5/16	4

Figure	Rev	Description
611.1	A	Circuit, Fuel



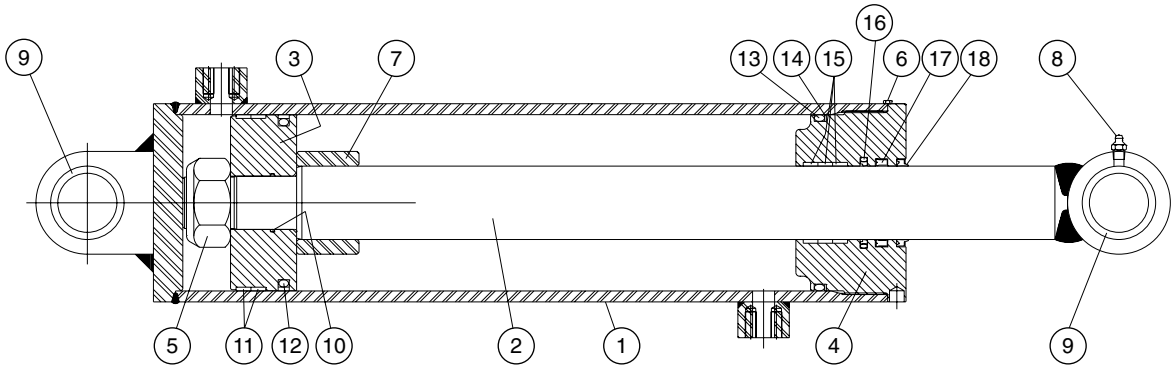
Item	Part No.	Description	Qty.
1	6-6423-08	Fitting, 04 x 06 Brass Hose End	1
2	6-6252-20	Hose Clamp, No. 2	4
3	6-6423-07	Fitting, 02 x 06 Brass Hose End	1
4	6-6422-01	Fitting, 02 x 02 NPT Brass Elbow	1
5	6-6424-05	Fitting, 04 x 04 Brass Tube End	1
6	7-158-47	Fuel Hose, 3/8 ID	90 inches
7	7-158-47	Fuel Hose, 3/8 ID	90 inches
8	7-121-02	Fitting, 90°, 3/8 Hose	2
9	1-1034	Tube, Fuel Line	1
10	7-272-09	Filler Cap, Fuel	Ref.
11	7-373-01	Fuel Tank	Ref.
12	7-121-01	Rubber Bushing	2

Figure	Rev	Description
701.1	A	Lift Cylinder



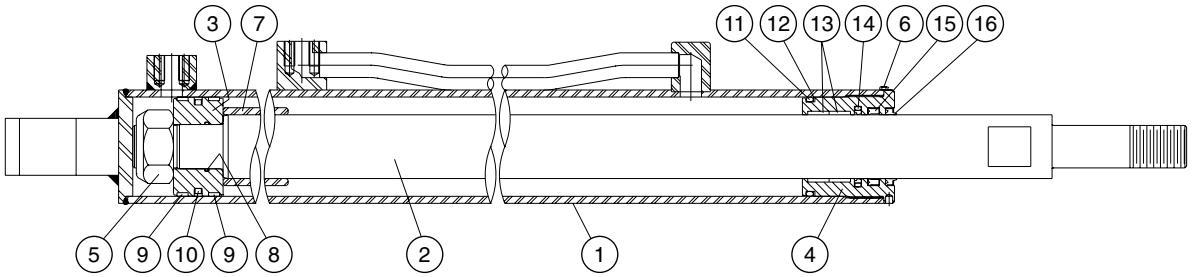
Item	Part No.	Description	Qty.
—	108524	Cylinder, Lift	Ref.
—	108635	Seal Kit (includes items 12-20)	
1	117012	Barrel Assembly	1
2	117013	Rod Assembly	1
3	117014	Piston	1
4	117015	Rod Bearing	1
5	117016	Nut	1
6	117017	Cap Screw	1
7	117018	Stroke Limiter	1
8	117019	Grease Fitting	2
9	117020	Bleeder Screw	1
10	117021	Bushing, 4 LG	1
11	117022	Bushing, 3 LG	1
12	117023	O-ring	1
13	117024	Wear Ring, Piston	2
14	117025	Piston Seal Assembly	1
15	117030	O-ring	1
16	117036	Back-up Ring	1
17	117194	Wear Ring, Rod Bearing	2
18	117195	Buffer Seal	1
19	117196	Rod Seal	1
20	117197	Rod Wiper	1

Figure	Rev	Description
702.1	A	Tilt Cylinder



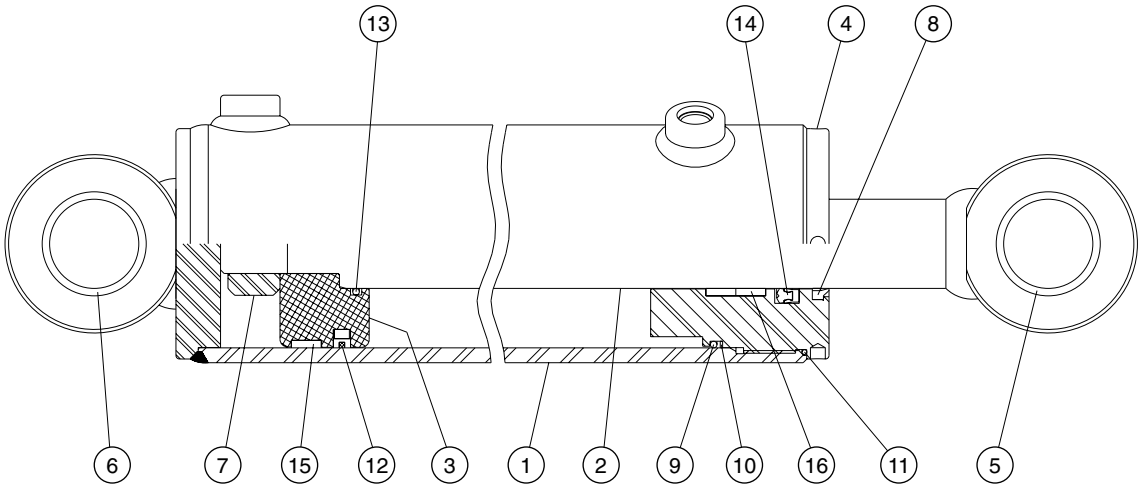
Item	Part No.	Description	Qty.
—	108526	Cylinder, Tilt	Ref.
—	108637	Seal Kit (includes items 10-18)	
1	117039	Barrel Assembly	1
2	117031	Rod Assembly	1
3	117032	Piston	1
4	117033	Rod Bearing	1
5	117034	Nut	1
6	117017	Cap Screw	1
7	117035	Stroke Limiter	1
8	117019	Grease Fitting	1
9	117022	Bushing, 3 LG	2
10	117206	O-ring	1
11	117207	Wear Ring, Piston	2
12	117208	Piston Seal Assembly	1
13	117209	O-ring	1
14	117210	Back-up Ring	1
15	117211	Wear Ring, Rod Bearing	3
16	117212	Buffer Seal	1
17	117213	Rod Seal	1
18	117214	Rod Wiper	1

Figure	Rev	Description
703.1	A	Boom Cylinder



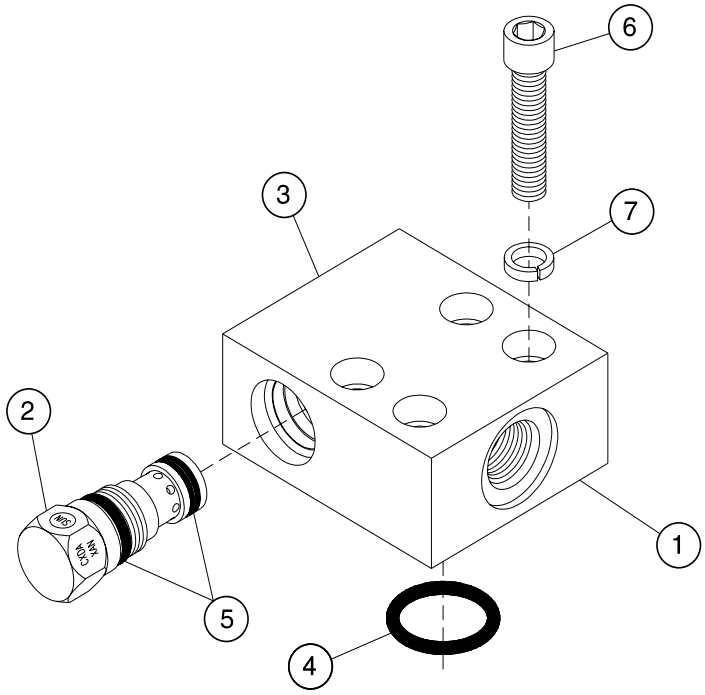
Item	Part No.	Description	Qty.
—	108525	Cylinder, Boom	Ref.
—	108636	Seal Kit (includes items 8-16)	
1	117040	Barrel Assembly	1
2	117026	Rod	1
3	117027	Piston	1
4	117028	Rod Bearing	1
5	117016	Nut	1
6	117017	Cap Screw	1
7	117029	Stroke Limiter	1
8	117023	O-ring	1
9	117198	Wear Ring, Piston	2
10	117199	Piston Seal Assembly	1
11	117200	O-ring	1
12	117201	Back-up Ring	1
13	117202	Wear Ring, Rod Bearing	2
14	117203	Buffer Seal	1
15	117204	Rod Seal	1
16	117205	Rod Wiper	1

Figure	Rev	Description
704.1	A	Sway Cylinder



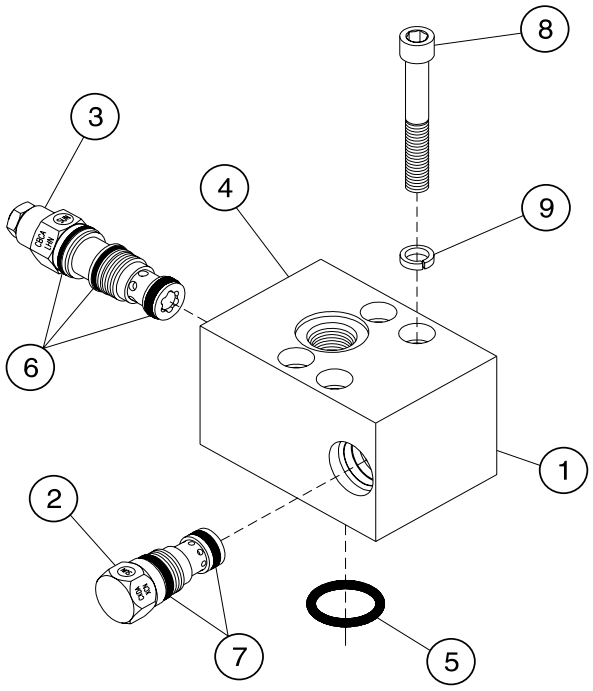
Item	Part No.	Description	Qty.
—	7-182-34	Cylinder, Sway	Ref.
—	7-900-180	Seal Kit (includes items 8-16)	
1	7-182-35	Tube Assembly	1
2	7-182-36	Rod Assembly	1
3	7-182-08	Piston	1
4	7-182-09	Head	1
5	7-182-37	Rod End Bushing	1
6	7-182-38	Base End Bushing	2
7	7-182-13	Lock Nut	1
8	7-182-14	Wiper Rod	1
9	7-182-15	Head O-ring	1
10	7-182-16	Head Back-up Ring	1
11	7-182-17	Head O-ring	1
12	7-182-18	Piston Seal	1
13	7-182-19	Piston O-ring	1
14	7-182-20	Rod Seal	1
15	7-182-21	Piston Wear Ring	1
16	7-182-22	Head Wear Ring	2

Figure	Rev	Description
705.1	A	Motion Valve, Base Tilt Cylinder



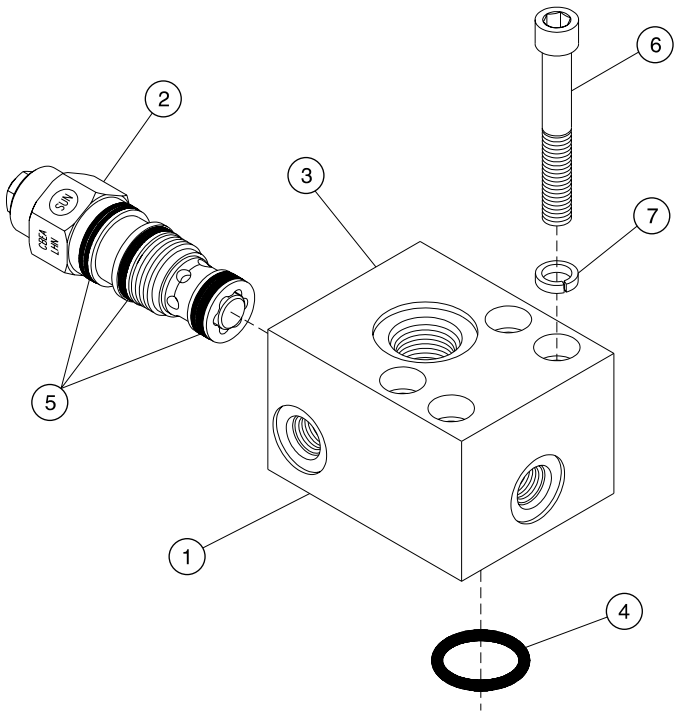
Item	Part No.	Description	Qty.
1	7-234-02	Motion Valve Assembly (includes items 2-4)	1
2	7-234-16	Check Cartridge	1
3	7-234-24	Body	1
4	7-234-32	O-ring	1
5	7-234-31	Seal Kit	1
6	6-5606-14	Cap Screw, SH, 3/8 NC x 1.75 inches	4
7	6-6214-06	High-collar Lock Washer, 3/8	4

Figure	Rev	Description
706.1	A	Motion Valve, Head Tilt Cylinder



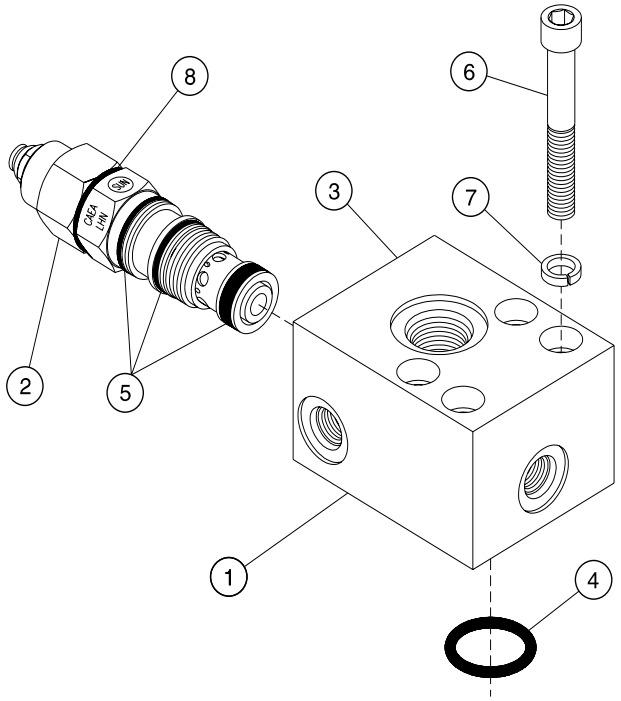
Item	Part No.	Description	Qty.
1	7-234-01	Motion Valve Assembly (includes items 2-5)	1
2	7-234-80	Check Cartridge	1
3	7-234-19	Counterbalance Cartridge	1
4	7-234-25	Body	1
5	7-234-32	O-ring	1
6	7-234-29	Seal Kit	1
7	7-234-31	Seal Kit	1
8	6-5606-22	Cap Screw, SH, 3/8 NC x 2.75 inches	4
9	6-6214-06	High-collar Lock Washer, 3/8	4

Figure	Rev	Description
707.1	A	Motion Valve, Boom Cylinder



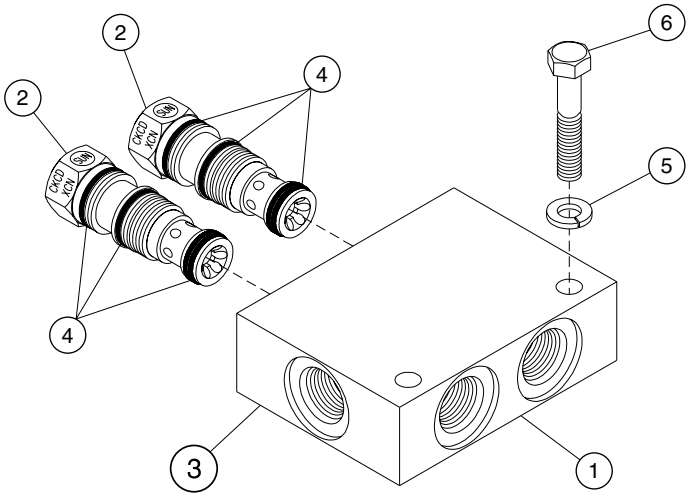
Item	Part No.	Description	Qty.
1	7-234-03	Motion Valve Assembly (includes items 2-4)	1
2	7-234-22	Counterbalance Cartridge	1
3	7-234-23	Body	1
4	7-234-32	O-ring	1
5	7-234-30	Seal Kit	1
6	6-5606-22	Cap Screw, SH, 3/8 NC x 2.75 inches	4
7	6-6214-06	High-collar Lock Washer, 3/8	4

Figure	Rev	Description
708.1	A	Motion Valve, Base Lift Cylinder



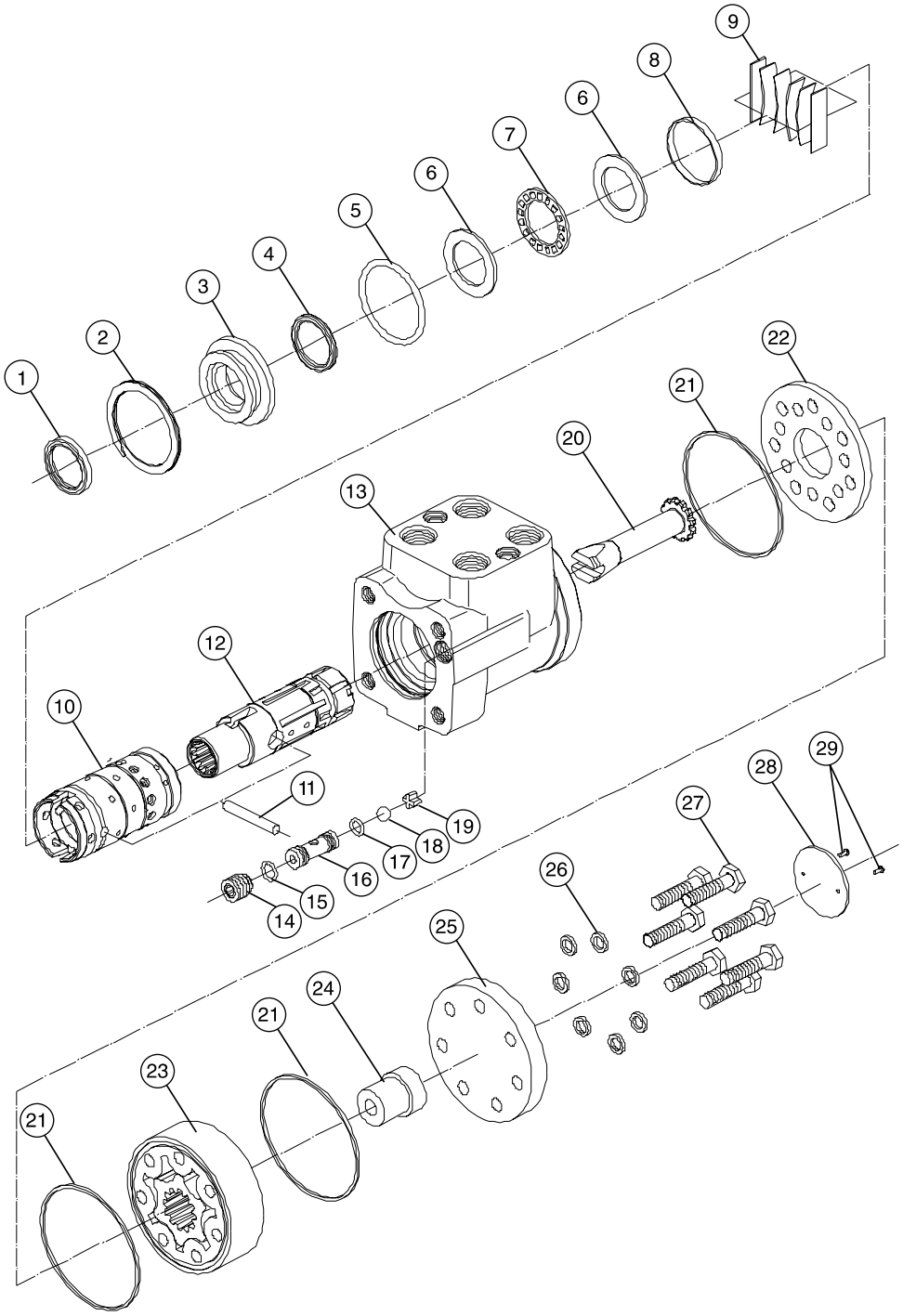
Item	Part No.	Description	Qty.
1	7-234-54	Motion Valve Assembly (includes items 2-4)	1
2	7-234-53	Counterbalance Cartridge	1
3	7-234-23	Body	1
4	7-234-32	O-ring	1
5	7-234-30	Seal Kit	1
6	6-5606-22	Cap Screw, SH, 3/8 NC x 2.75 inches	4
7	6-6214-06	High-collar Lock Washer, 3/8	4
8	7-234-60	O-ring	1

Figure	Rev	Description
709.1	A	Dual Pilot Check Valve



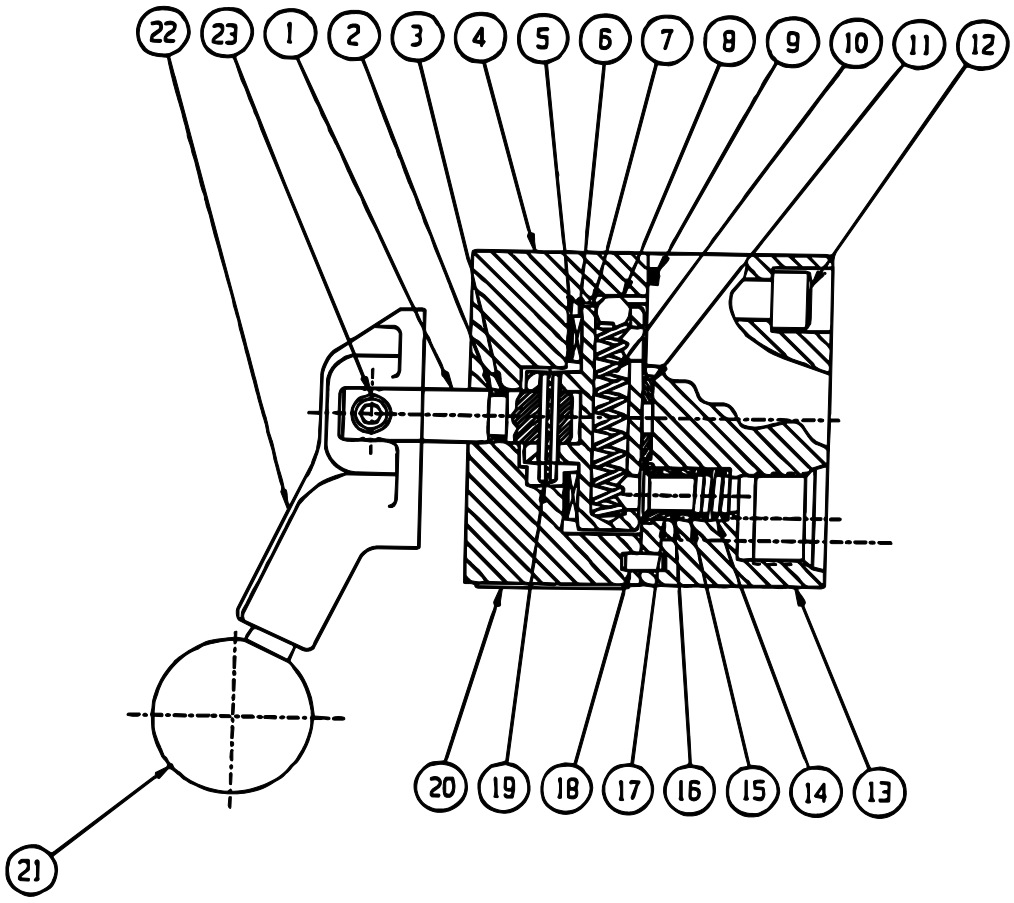
Item	Part No.	Description	Qty.
1	7-234-04	Dual Pilot Check Valve Assembly (includes items 2 and 3)	1
2	7-234-18	Pilot Check Cartridge	2
3	7-234-21	Body	1
4	7-234-29	Seal Kit	2
5	6-6211-05	Lock Washer, 3/8	2
6	6-5205-14	Cap Screw, 5/16 NC x 1.75 inches	2

Figure	Rev	Description
710.1	A	Orbitral Assembly



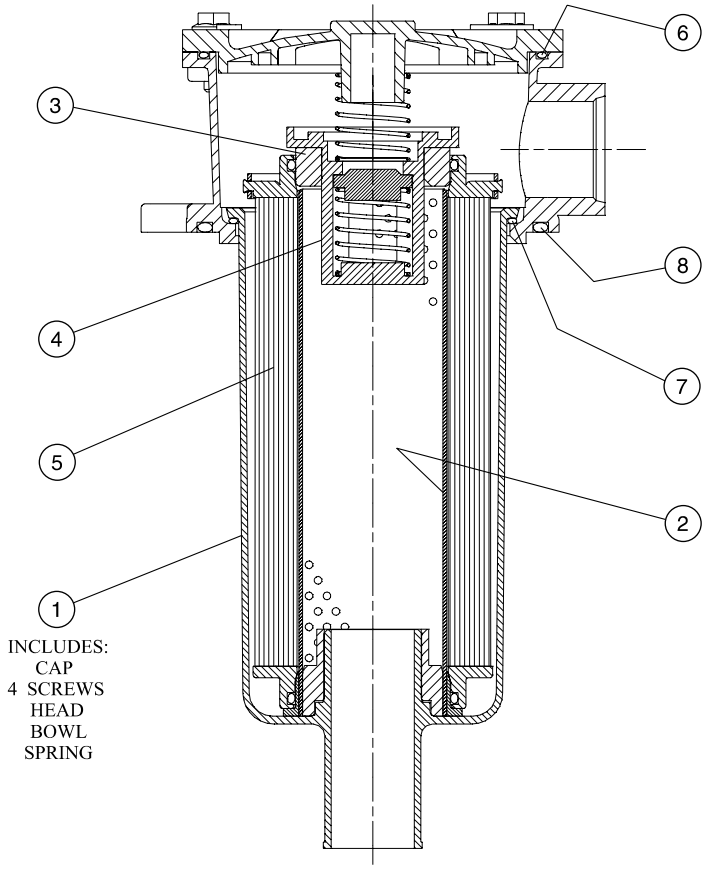
Item	Part No.	Description	Qty.
—	7-147-56	Seal Kit (includes items 1, 4, 5, 15, 17 and 21)	Ref.
1	7-147-49	Dust Seal	1
2	7-147-16	Retaining Ring	1
3	7-147-10	Front Cover	1
4	7-147-15	X-ring	1
5	7-147-09	O-ring	1
6	7-147-17	Bearing Race 1	1
—	7-147-19	Bearing Race 2	1
7	7-147-18	Thrust Bearing	1
8	7-147-32	Ring	1
9	7-147-12	Flat Spring	2
—	7-147-13	Spring	4
10	7-147-50	Control Sleeve (sold with item 12)	1
11	7-147-31	Pin	1
12	7-147-51	Control Spool (sold with item 10)	1
13	7-147-52	Housing	1
14	7-147-33	Plug	1
15	7-147-34	O-ring	1
16	7-147-35	Valve Seat	1
17	7-147-36	O-ring	1
18	7-147-37	Ball	1
19	7-147-38	Cross Support	1
20	7-147-29	Drive	1
21	7-147-53	Cant Seal	3
22	7-147-23	Distributor Plate	1
23	7-147-28	Gear Wheel Set	1
24	7-147-26	Spacer	1
25	7-147-27	End Cover	1
26	7-147-25	Washer	7
27	7-147-24	Screw	7
28	7-147-54	Name Plate	1
29	7-147-55	Rivet	1

Figure	Rev	Description
711.1	A	Selector Valve, Steering



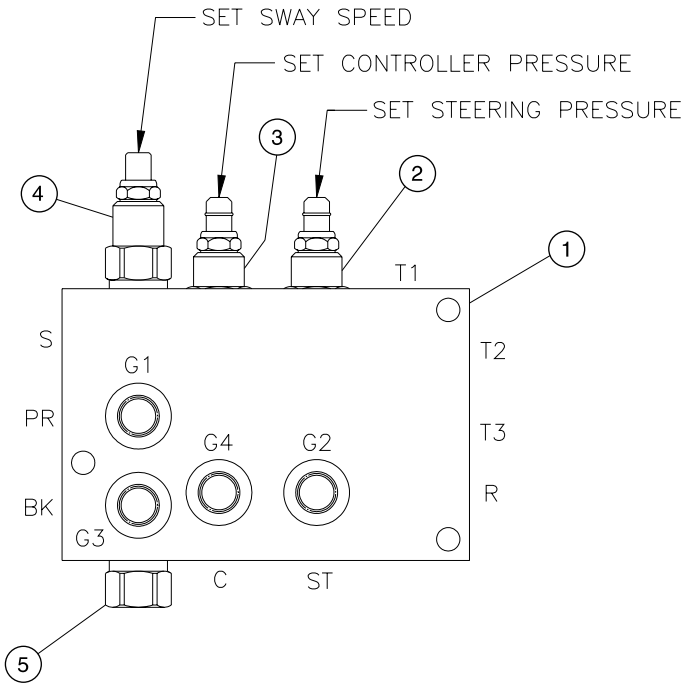
Item	Part No.	Description	Qty.
1		Shaft	1
2	7-359-06	Back-up Shaft Ring	1
3	7-359-07	Shaft O-ring	1
4		Housing	1
5		Thrust Washer	1
6	7-359-08	Thrust Bearing	1
7	7-359-09	Rotor	1
8	7-359-10	Ball - Detent	1
9	7-359-11	Housing O-ring	1
10	7-359-12	Detent Spring	1
11		Spacer Washer	1
12		Body Screw	4
13		Body	1
14	7-359-13	Pressure Seal Spring	4
15	7-359-14	Pressure Seal	4
16	7-359-07	Pressure Seal O-ring	4
17	7-359-06	Pressure Seal Back-up Ring	8
18		Locating Pin	1
19		Rotor Roll Pin	1
20		Nameplate	1
21		Handle Knob	1
22	7-359-03	Handle, 5/8 Long	1
23		Set Screw	2

Figure	Rev	Description
712.1	A	Return Filter Assembly



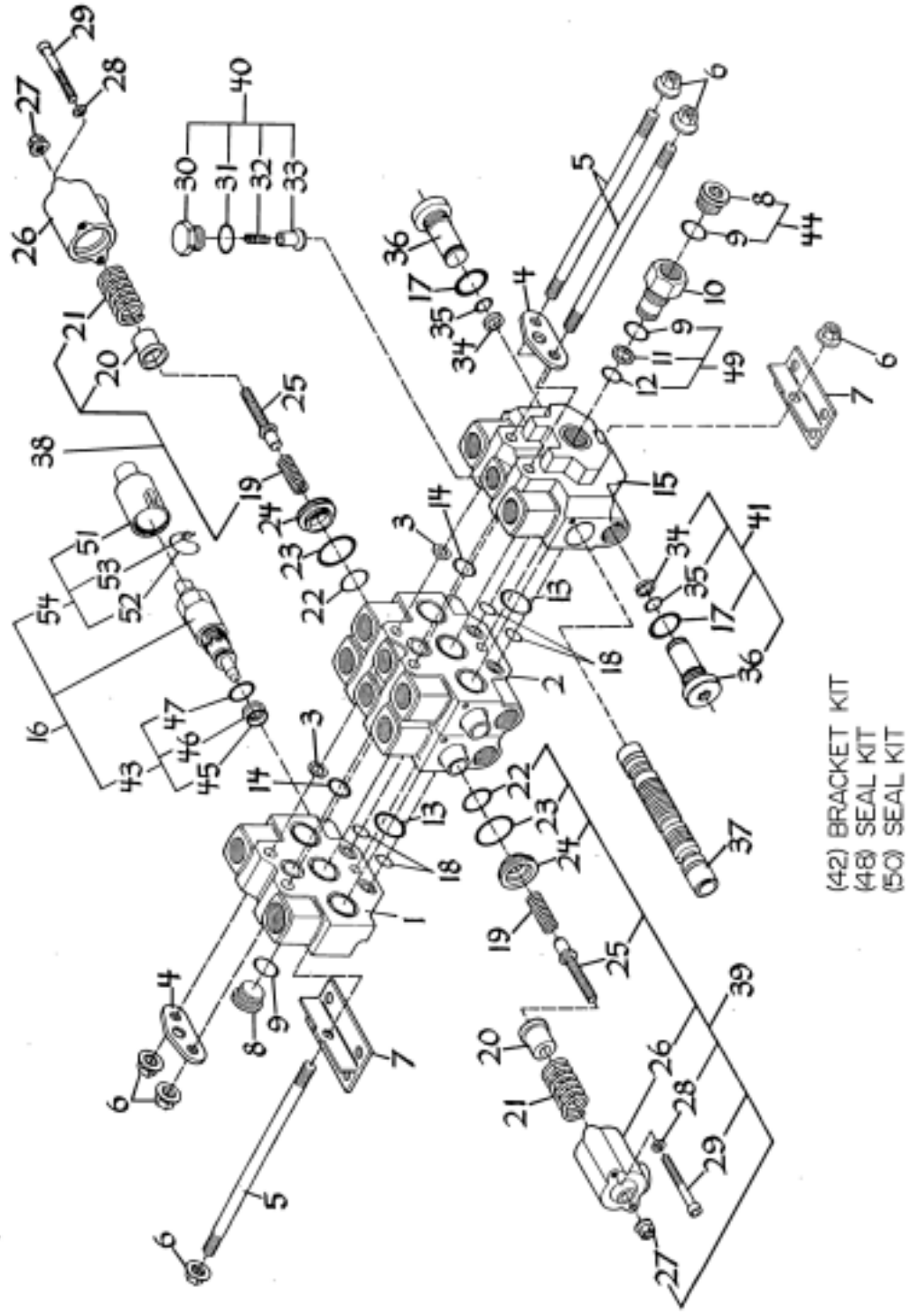
Item	Part No.	Description	Qty.
1	7-118-04	Housing Sub-assembly	1
2	7-118-05	Core Assembly	1
3	7-118-06	Upper Nipple	1
4	7-118-07	Bypass Valve	1
5	7-118-02	Filter Element	1
6	7-118-03	O-ring	1
7	7-118-08	O-ring	1
8	7-118-09	O-ring	1

Figure	Rev	Description
713.1	A	Control Block Assembly



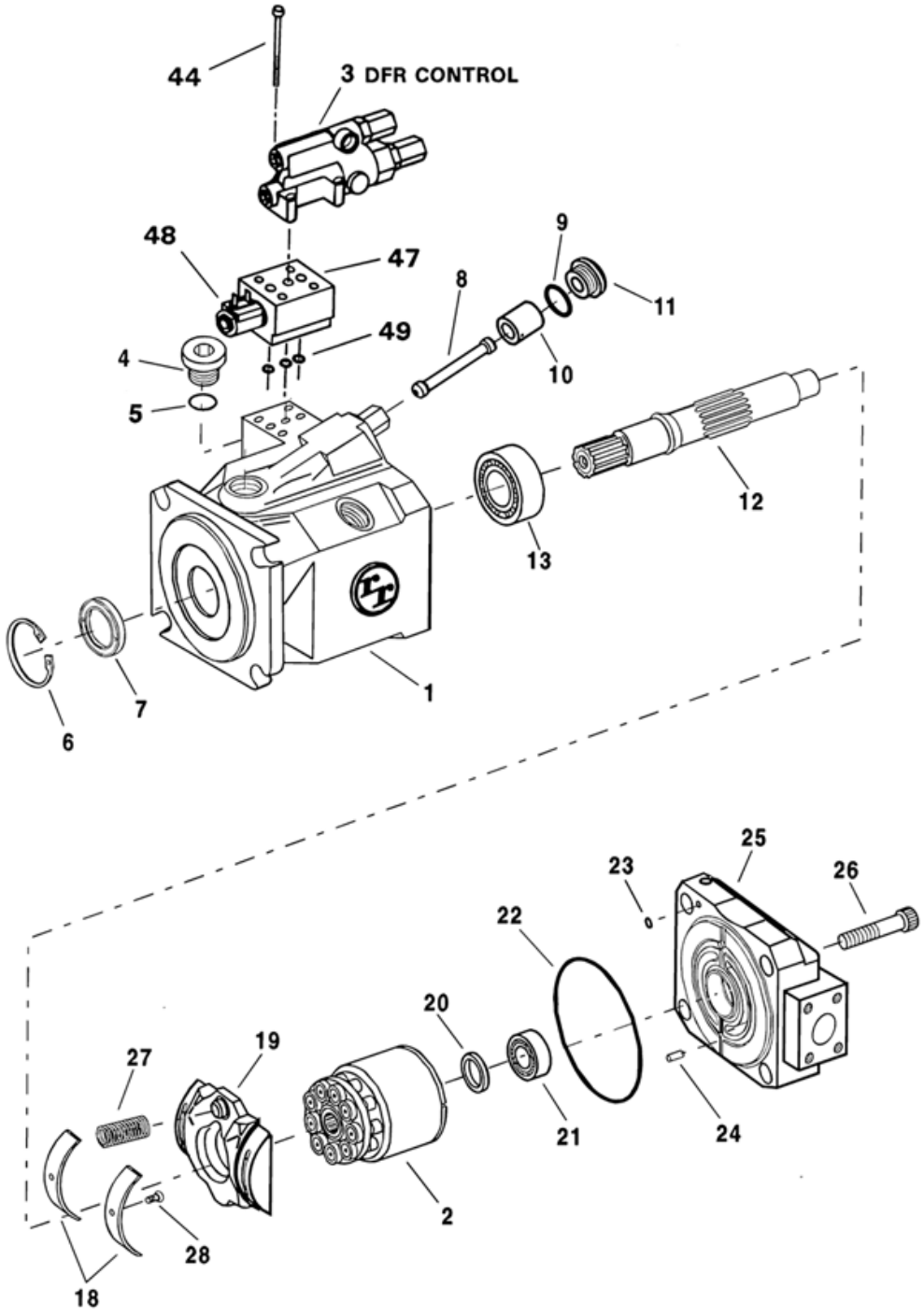
Item	Part No.	Description	Qty.
—	7-234-94	Control Block Assembly (includes items 1-5)	
1	7-234-97	Body	1
2	7-234-28	Reducing-Relieving Cartridge	1
3	7-234-13	Reducing-Relieving Cartridge	1
4	7-234-37	Needle Cartridge	1
5	7-234-80	Check Cartridge	1

Figure	Rev	Description
714.1	A	Main Valve Assembly



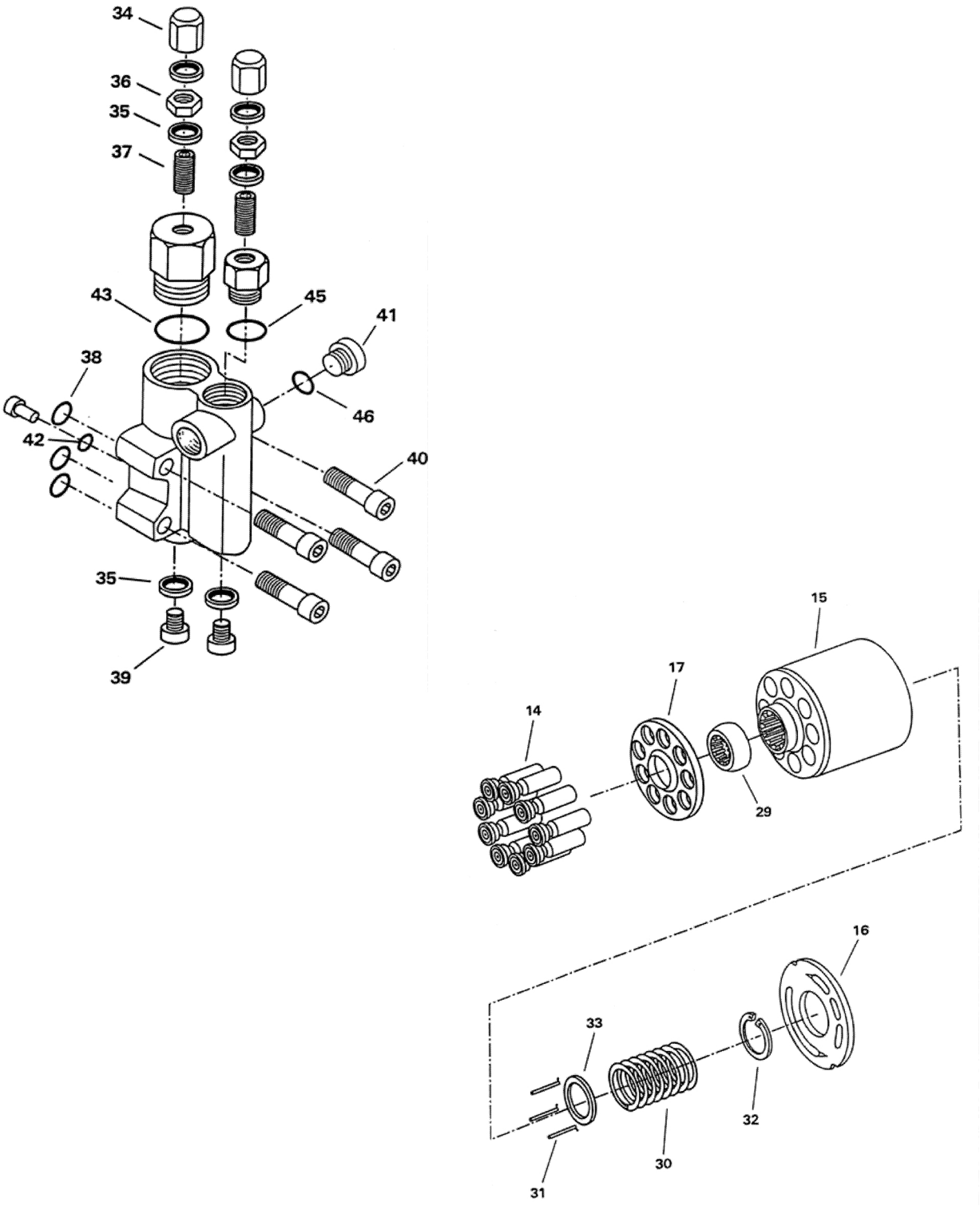
Item	Part No.	Description	Qty.
1	7-200-117	Inlet Section with Spool	1
2	7-200-118	Control Section with Spools (includes item 37)	1
3	7-200-50	Spacer	6
4	7-200-91	Lifting Lug	2
5	7-200-44	Tie Rod	3
6	7-200-45	Flange Nut	6
7	7-200-46	Bracket	2
8	7-200-39	Plug	2
9	7-200-92	O-ring	3
10	7-200-38	Adapter	1
11	7-200-93	Back-up Ring	1
12	7-200-94	O-ring	1
13	7-200-95	O-ring	6
14	7-200-96	O-ring	2
15	7-200-119	Outlet Section with Spool (includes item 37)	1
16	7-200-120	Main Relief Assembly	1
17	7-200-52	O-ring	6
18	7-200-97	O-ring	4
19	7-200-98	Spring	6
20	7-200-99	Centering Spring Casing	6
21	7-200-100	Centering Spring	6
22	7-200-101	O-ring	6
23	7-200-102	O-ring	6
24	7-200-103	Support Ring	6
25	7-200-104	Adjusting Screw	6
26	7-200-105	Cap	6
27	7-200-61	Flange Nut	6
28	7-200-62	Washer	12
29	7-200-63	Screw	12
30	7-200-64	Plug	3
31	7-200-106	O-ring	3
32	7-200-66	Spring	3
33	7-200-107	Poppet	3
34	7-200-68	Back-up Ring	6
35	7-200-69	O-ring	6
36	7-200-70	Y-plug	6
37		Spool (included with items 2 and 15)	3
38	7-200-108	Spring Kit (includes items 19, 20 and 21)	Ref.
39	7-200-109	Cap Assembly (includes items 22-29)	Ref.
40	7-200-76	Check Valve Assembly (includes items 30-33)	Ref.
41	7-200-77	Y-plug Assembly (includes items 17, 34, 35 and 36)	Ref.
42	7-200-110	Bracket Kit (includes items 4, 6 and 7)	Ref.
43	7-200-111	Seal Kit (includes items 45, 46 and 47)	Ref.
44	7-200-78	Plug Kit (includes items 8 and 9)	Ref.
45	7-200-112	O-ring	1
46	7-200-113	Back-up Ring	1
47	7-200-52	O-ring	1
48	7-200-114	Seal Kit (includes items 22, 23 and 27)	Ref.
49	7-200-115	Seal Kit (includes items 9, 11 and 12)	Ref.
50	7-200-116	Seal Kit (includes items 3, 13, 14 and 18)	Ref.
51	7-200-121	Sealing Cap	1
52	7-200-122	Sealing Wire	1
53	7-200-123	Sealing Lead	1
54	7-200-124	Sealing Cap Kit (includes items 51, 52 and 53)	Ref.

Figure	Rev	Description
715.1	A	Hydraulic Pump Assembly, View 1



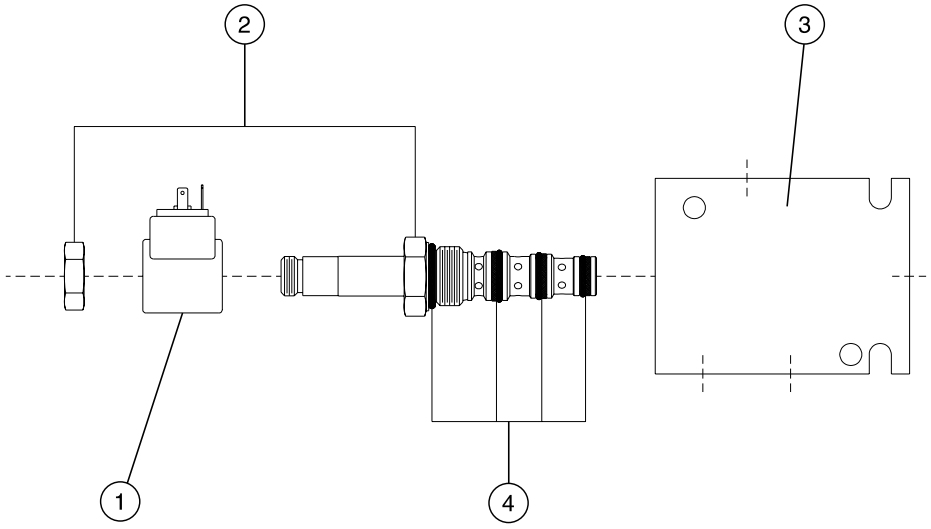
Item	Part No.	Description	Qty.
—	7-345-48	Seal Kit (includes items 5, 7, 9, 22, 23, 35, 38, 42, 43, 45 and 46)	
1	7-345-159	Housing Assembly	1
2	7-345-160	Rotary Group CW	1
3	7-345-140	DFR Control	1
4	7-345-05	Plug	1
5	7-345-06	O-ring	1
6	7-345-08	Snap Ring	1
7	7-345-09	Shaft Seal	1
8	7-345-10	Rod	1
9	7-345-11	O-ring	1
10	7-345-12	Piston	1
11	7-345-161	Plug	1
12	7-345-162	Shaft	1
13	7-345-163	Tapered Roller Bearing	1
18	7-345-16	Swash Plate Bearing	2
19	7-345-164	Swash Plate	1
20	7-345-18	Preload Shim	1
21	7-345-19	Tapered Roller Bearing	1
22	7-345-20	O-ring	1
23	7-345-21	Quad Ring	2
24	7-345-22	Dowel Pin	1
25	7-345-23	Block Port Assembly	1
26	7-345-24	Cap Screw	4
27	7-345-25	Spring	1
28	7-345-26	Screw	2
44	7-345-53	Bolt	4
47	7-345-49	Block	1
48	7-345-50	Cartridge, 3-Way	1
—	7-345-51	Seal Kit	
49	7-345-52	O-ring	3

Figure	Rev	Description
716.1	A	Hydraulic Pump Assembly, View 2



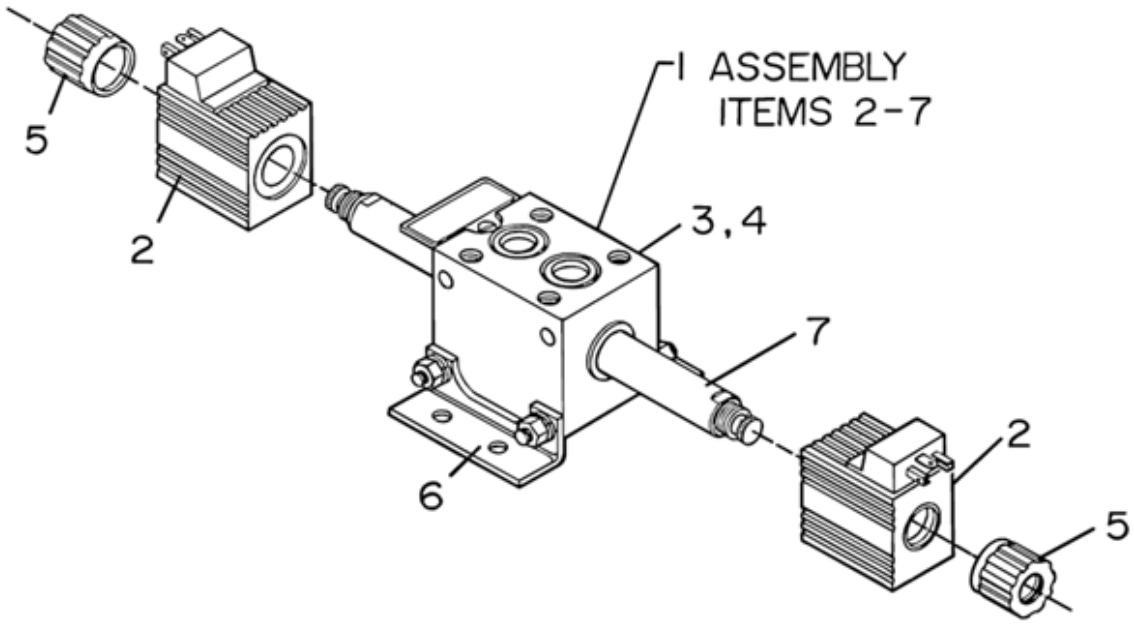
Item	Part No.	Description	Qty.
—	7-345-48	Seal Kit (includes items 5, 7, 9, 22, 23, 35, 38, 42, 43, 45 and 46)	
14	7-345-27	Piston	9
15	7-345-28	Barrel	1
16	7-345-158	Lens Plate	1
17	7-345-30	Retaining Plate	1
29	7-345-31	Retaining Ball	1
30	7-345-32	Spring	1
31	7-345-157	Pressure Pin	3
32	7-345-34	Seeger V-ring	1
33	7-345-35	Disc-Retaining Clip	1
34	7-345-36	Acorn Nut	2
35	7-345-37	Usit Ring	6
36	7-345-38	Jam Nut	2
37	7-345-39	Adjusting Screw	2
38	7-345-40	O-ring	3
39	7-345-41	Plug	2
40	7-345-42	Cap Screw	4
41	7-345-43	Plug	1
42	7-345-45	O-ring	1
43	7-345-46	O-ring	1
45	7-345-47	O-ring	1
46	7-345-44	O-ring	1

Figure	Rev	Description
717.1	A	Electric Valve, 4-Way



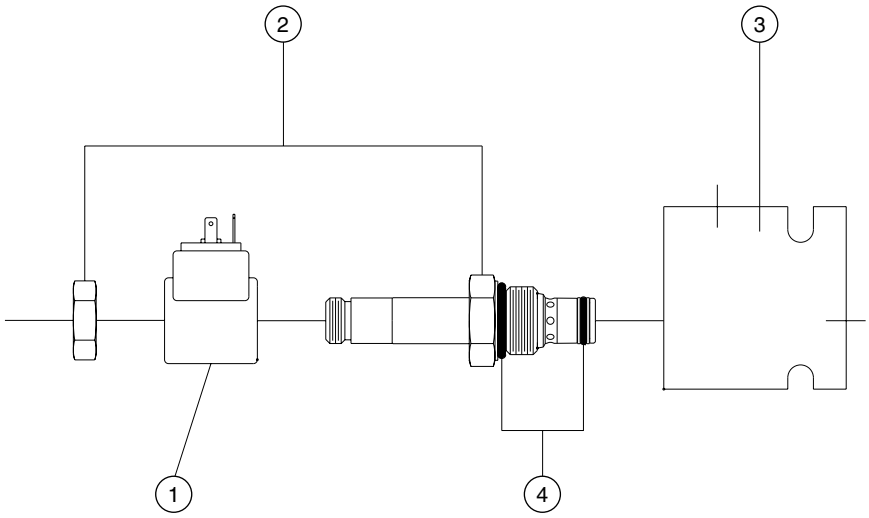
Item	Part No.	Description	Qty.
1	7-367-05	DIN Coil	1
2	7-367-10	Cartridge Assembly with Nut	1
3	7-367-11	Body	1
4	7-367-19	Seal Kit	1

Figure	Rev	Description
718.1	A	Electric Valve Assembly, 4-Way



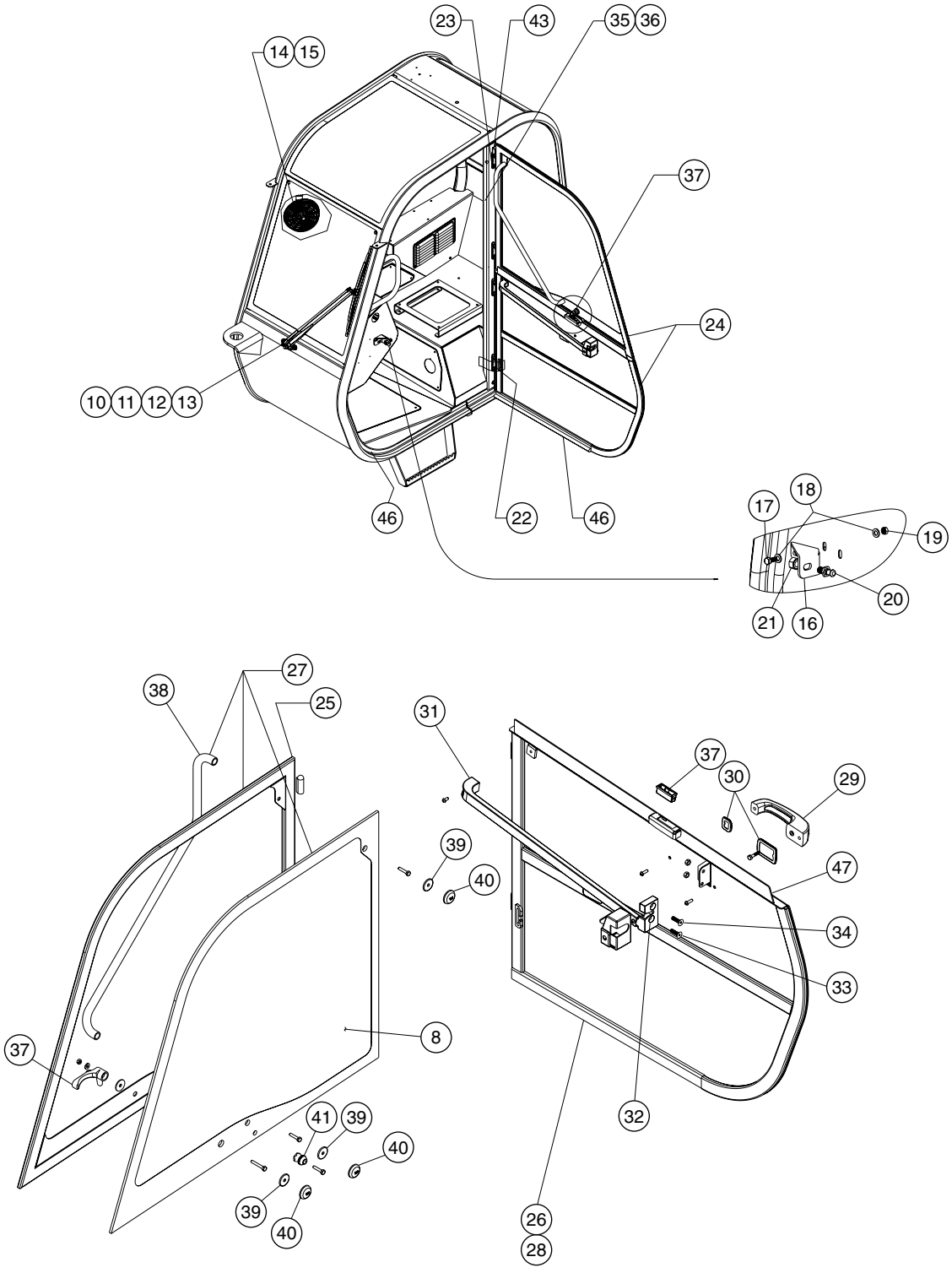
Item	Part No.	Description	Qty.
1	7-244-31	Electric Valve Assembly, 4-way (includes items 2-7)	1
2	7-244-40	DIN Coil	2
3	7-244-17	Spool	1
4	7-244-18	Valve Body	1
5	7-244-19	End Cap	2
6	7-244-44	Bracket Assembly	1
7	7-244-24	Actuating Spool Tubes and Pin	1

Figure	Rev	Description
719.1	A	Controller Relief Valve



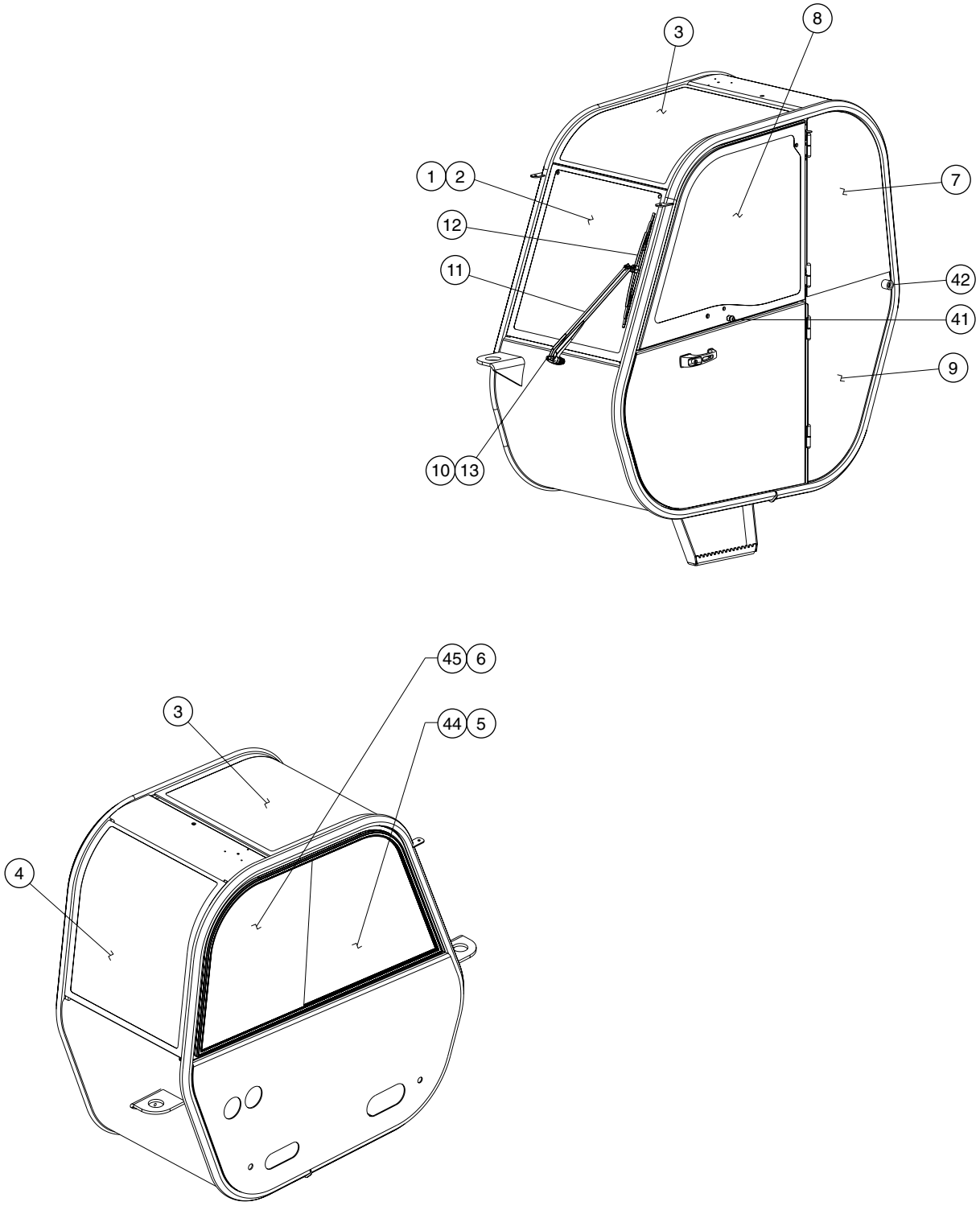
Item	Part No.	Description	Qty.
1	7-367-05	DIN Coil	1
2	7-367-06	Cartridge Assembly with Nut	1
3	7-367-07	Body	1
4	7-367-17	Seal Kit, Cartridge	Ref.

Figure	Rev	Description
801.1	A	Fully Enclosed Cab Assembly, View 1



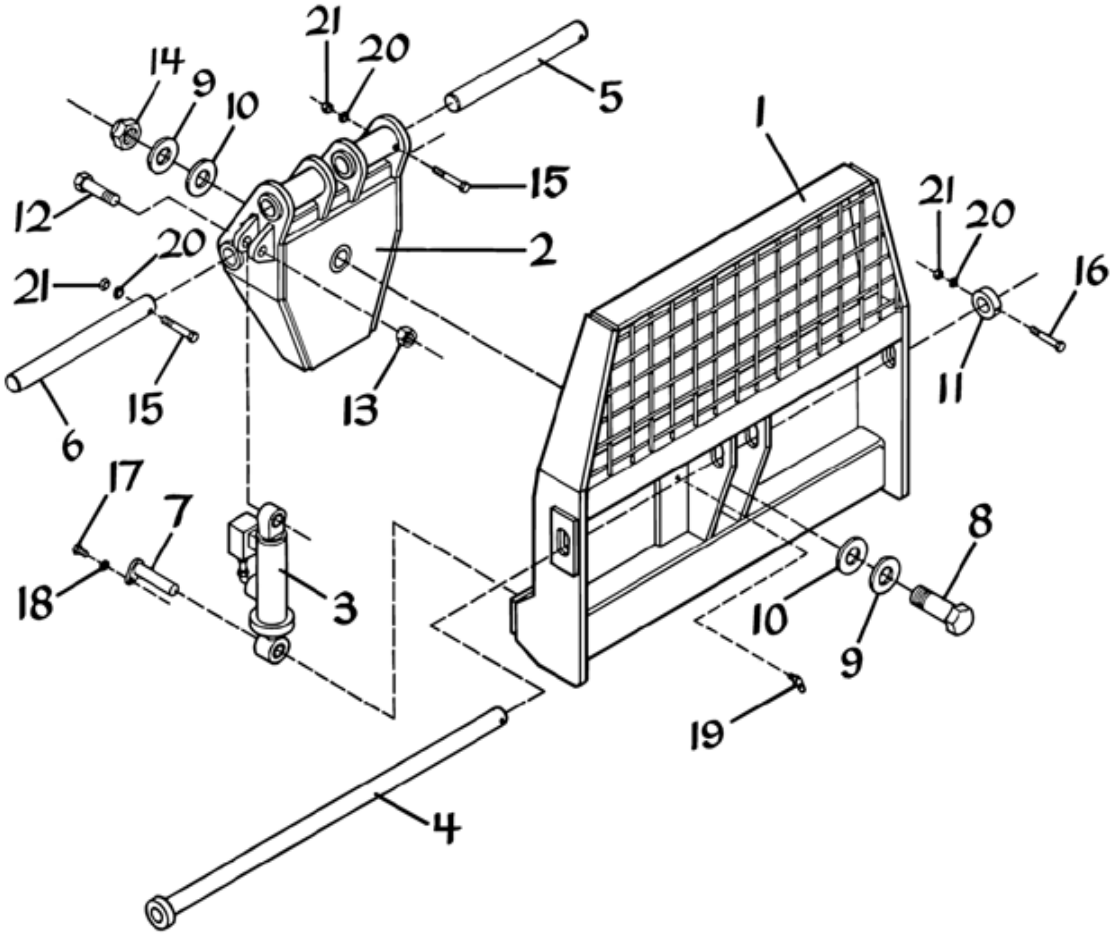
Item	Part No.	Description	Qty.
—	7-132-71	Front Screen Assembly	
—	7-132-70	Side Screen Assembly	
8	7-132-39	Glass, Upper Split Door, Tinted	1
10	7-132-124	Wiper Motor	1
11	7-132-126	Pantograph Wiper Arm, 20 inches	1
12	7-132-125	Wiper Blade, 20 inches	1
13	7-132-127	Pantograph Adapter Kit	1
14	7-347-02	Defroster Fan	1
15	6-6284-05	Machine Screw, 10-24 x 0.75 inch	4
16	7-132-133	Striker Bracket	1
17	6-5205-08	Cap Screw, 5/16 NC x 1 inch	2
18	6-6212-05	Flat Washer, 5/16	4
19	6-6205-05	Self Locking Nut, 5/16 NC	2
20	7-132-41	Door Striker	1
21	7-132-57	Nut, Door Striker	1
22	7-132-134	Door Strap, 5.50 inches	1
23	7-132-129	Door Hinge Assembly	4
24	7-132-118	Finished Cab Doors Assembly, Upper and Lower	1
25	7-132-130	Cab Door Weldment, Upper	1
26	7-132-131	Cab Door Weldment, Lower	1
27	7-132-104	Complete Upper Door Assembly	Ref.
28	7-132-135	Complete Lower Door Assembly	Ref.
29	7-132-136	Door Latch, Exterior	1
30	7-132-138	Door Latch Gaskets, Exterior	1
31	7-132-50	Inside Grab Handle	1
32	7-132-52	Pivot Assembly	1
33	7-132-58	Bolt, M8 x 1.25 x 55 mm	1
34	7-132-59	Bolt, M8 x 1.25 x 40 mm	1
35	7-132-119	Door Post, Bolt-on	1
36	7-132-63	Spacer, Door Post	4
37	7-132-137	Upper Door Latch Kit	1
38	7-132-132	Upper Door Handle	1
39	7-132-84	Hard Plastic Washer	3
40	7-132-74	Plastic Snap Cap	3
41	7-132-128	Door Holdback Stub	1
43	7-132-120	Door Hinge Retainer Tab	1
46	7-132-46	Rubber Seal, Door Frame	193 inches
47	7-132-139	Foam Seal	37.75 inches

Figure	Rev	Description
802.1	A	Fully Enclosed Cab Assembly, View 2



Item	Part No.	Description	Qty.
1	7-132-102	Glass, Windshield, Tinted	1
2	7-132-30	Glass, Windshield, Clear	1
3	7-132-101	Glass, Skylight, Tinted	1
4	7-132-101	Glass, Rear Window, Tinted	1
5	7-132-33	Glass, RH Slider Assembly, Tinted (includes items 44 and 45)	1
6	7-132-23	Glass, RH Slider Assembly, Clear	1
7	7-132-117	Glass, LH Rear, Tinted	1
8	7-132-39	Glass, Upper Split Door, Tinted	1
9	7-132-121	Panel, LH Rear Lower	1
10	7-132-124	Wiper Motor	1
11	7-132-126	Pantograph Wiper Arm, 20 inches	1
12	7-132-125	Wiper Blade, 20 inches	1
13	7-132-127	Pantograph Adapter Kit	1
41	7-132-128	Door Holdback Stub	1
42	7-132-123	Door Holdback Socket	1
44	7-132-64	Glass, Front Slider (included with item 5)	1
45	7-132-65	Glass, Rear Fixed (included with item 5)	1

Figure	Rev	Description
803.1	A	Fork Frame Rotate Assembly

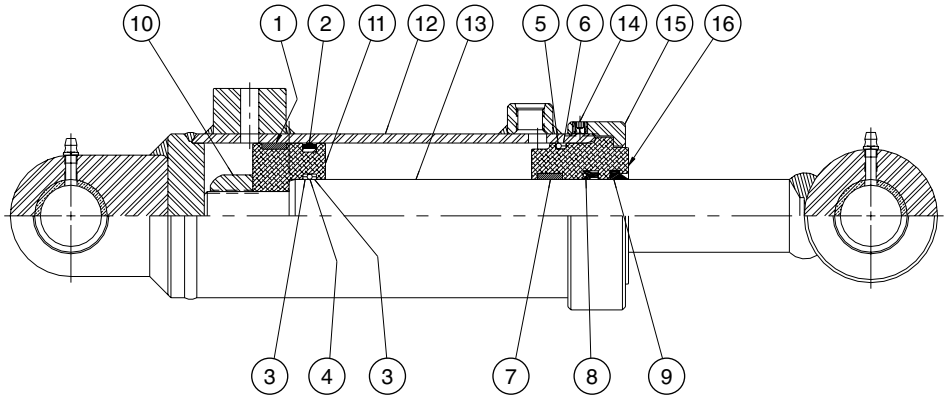


TABLE

FORK FRAME WIDTH	ROTATING FORK FRAME PART NUMBER	FORK TINE PIN PART NUMBER
48” WIDE	4-1118	2-1067-10
60” WIDE	4-1292	2-1067-12
72” WIDE	4-1170	2-1067-11

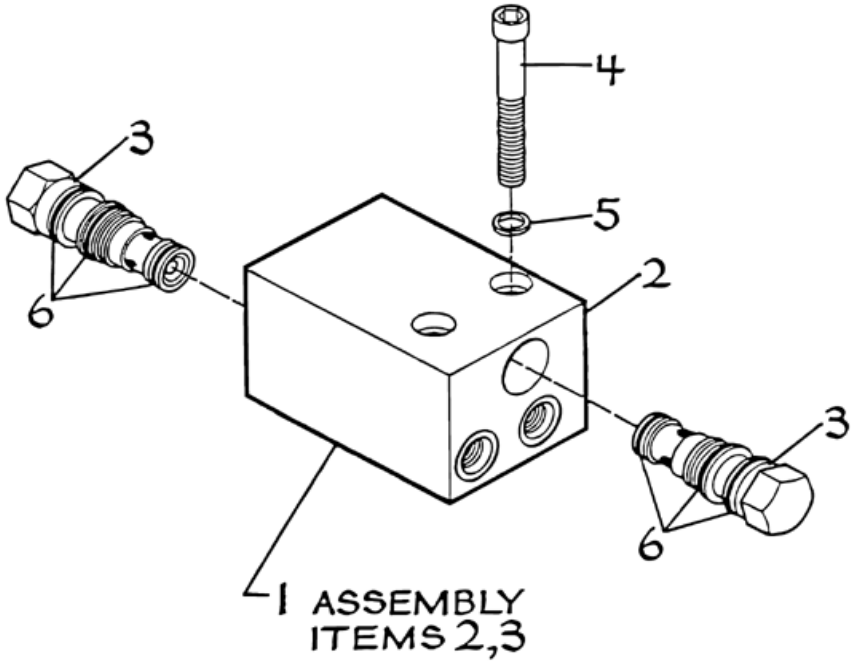
Item	Part No.	Description	Qty.
—	4-1118-16	Rotate Stop (not shown)	1
1	4-1118	Rotating Fork Frame, 48”	1
—	4-1292	Rotating Fork Frame, 60”	
—	4-1170	Rotating Fork Frame, 72”	
2	4-1408	Pivot Frame	1
3	7-379-01	Rotate Cylinder	1
4	2-1067-10	Fork Tine Pin, 48”	1
—	2-1067-12	Fork Tine Pin, 60”	
—	2-1067-11	Fork Tine Pin, 72”	
5	6-3016-01	Head End Tilt Cylinder Pin	1
6	6-3316-168	Small Boom Pivot Pin	Ref.
7	2-1066	Head End Rotate Cylinder Pin	1
8	1-1072	Fork Frame Rotate Bolt	1
9	1-1073	Steel Washer	2
10	6-6600-06	Bronze Washer	2
11	1-1074	Fork Pin Collar	Ref.
12	1-1071	Base End Rotate Cylinder Pin	1
13	6-6206-20	Base End Rotate Cylinder Nut	1
14	7-280-02	Fork Frame Rotate Nut	1
15	6-5208-30	Cap Screw, 1/2 NC x 3.75 inches.	Ref.
16	6-5208-36	Cap Screw, 1/2 NC x 4.5 inches.	Ref.
17	6-5206-08	Cap Screw, 3/8 NC x 1 inch	1
18	6-6211-06	Lock Washer, 3/8 inch	1
19	6-6301	Lube Fitting, 1/8 NPT, Straight	3
20	6-6211-08	Lock Washer, 1/2 inch	Ref.
21	6-6201-08	Hex Nut, 1/2, NC	Ref.

Figure	Rev	Description
804.1	A	Rotate Cylinder Assembly



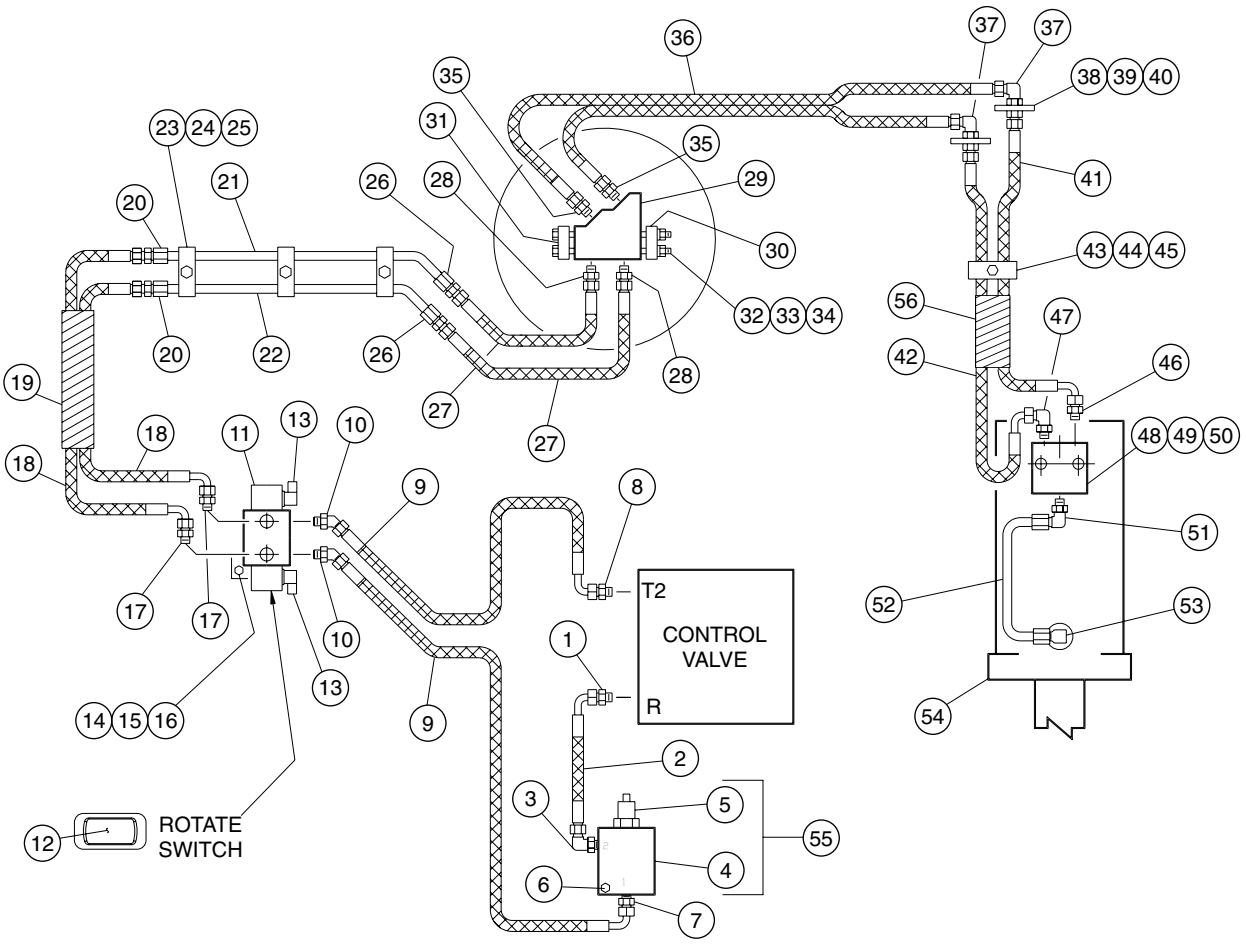
Item	Part No.	Description	Qty.
—	7-379-01	Rotate Cylinder	Ref.
—	7-900-86	Seal Kit (includes items 1-9)	
1	7-379-36	Wear Ring	1
2	7-379-37	PSP Seal	1
3	7-379-22	Back-up Ring	2
4	7-379-23	O-ring	1
5	7-379-38	O-ring	1
6	7-379-39	Back-up Ring	1
7	7-379-26	Wear Ring	1
8	7-379-45	Loaded U-cup	1
9	7-379-28	Rod Wiper	1
10	7-379-29	Lock Nut	1
11	7-379-40	Piston	1
12	7-379-41	Barrel Assembly	1
13	7-379-42	Rod Assembly	1
14	7-379-33	Cup PT Set Screw	1
15	7-379-43	Thread Cap	1
16	7-379-44	Thread Cap Head	1

Figure	Rev	Description
805.1	A	Dual Pilot Check Valve



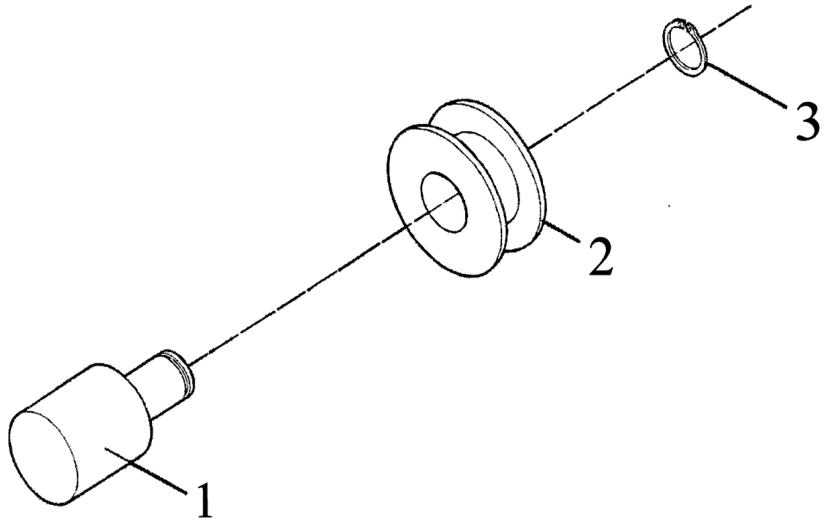
Item	Part No.	Description	Qty.
1	7-234-35	Dual Pilot Check Valve Assembly	1
2	7-234-46	Body	1
3	7-234-18	Cartridge, Pilot Check	2
4	6-5605-20	Cap Screw, SH, 5/16 NC x 2.5 inches	2
5	6-6214-05	High-Collar Lock Washer, 5/16 inch	2
6	7-234-29	Seal Kit	2

Figure	Rev	Description
806.1	A	Circuit, Fork Rotate



Item	Part No.	Description	Qty.
1	6-6450-08	Fitting, 06 OR x 06 JIC, Straight (R)	1
2	6-7023-40	Hose, 06 x 06-90 x 20 inches	1
3	6-6453-07	Fitting, 08 OR x 06 JIC 90°	1
4	7-234-84	Body, Needle Valve	Ref.
5	7-234-17	Cartridge, Needle Valve	Ref.
6	6-5205-30	Cap Screw, 5/16 NC x 3.75 inches	1
7	6-6450-09	Fitting, 08 OR x 06 JIC, Straight	1
8	6-6450-08	Fitting, 06 OR x 06 JIC, Straight (T2)	1
9	6-7023-62	Hose, 06 x 06-90 x 31 inches	2
10	6-6452-03	Fitting, 06 OR x 06 JIC 45°	2
11	7-244-31	4-Way Electric Valve	1
12	7-164-04	Switch, Auxiliary	1
13	7-244-27	DIN Connector	2
14	6-5204-12	Cap Screw, 1/4 NC x 1.5 inches	2
15	6-6211-04	Lock Washer, 1/4	2
16	6-6201-04	Hex Nut, 1/4 NC	2
17	6-6450-08	Fitting, 06 OR x 06 JIC, Straight	2
18	6-7043-184	Hose, 08 x 06-90 x 92 inches	2
19	7-299-08	Hose Armor, 1 ID	70 inches
20	6-6490-03	Fitting, 08 JIC x 08 Tube, Straight	2
21	3-1064-1	Formed Tube, 1/2 OD	1
22	3-1064-2	Formed Tube, 1/2 OD	1
23	7-273-21	Clamp Half Set, 1/2 Twin Tube	3
24	7-273-23	Top Plate, 1/2 Twin Tube Clamp	3
25	6-5205-10	Cap Screw, 5/16 NC x 1.25 inches	3
26	6-6490-03	Fitting, 08 JIC x 08 Tube, Str.	2
27	6-7013-22	Hose, 06 x 08 x 11 inches	2
28	6-6450-08	Fitting, 06 OR x 06 JIC, Straight	2
29	7-292-01	Hose Reel Assembly	1
30	1-2020	Mount, Hose Reel, Weld-on	Ref.
31	1-2020	Mount, Hose Reel, Weld-on	Ref.
32	6-5208-36	Cap Screw, 1/2 NC x 4.5 inches	2
33	6-6211-08	Lock Washer, 1/2	2
34	6-6201-08	Hex Nut, 1/2 NC	2
35	6-6450-08	Fitting, 06 OR x 06 JIC, Straight	2
36	7-292-03	Bonded Hose	1
37	6-6477-05	Fitting, 06 JIC BH-Union, 90°	2
38	3-1222-1	Bulkhead Mounting Plate	1
39	6-5206-20	Cap Screw, 3/8 NC x 2.5 inches	2
40	6-6211-06	Lock Washer, 3/8	Ref.
41	6-7023-120	Hose, 06 x 06-90 x 60 inches	1
42	6-7023-128	Hose, 06 x 06-90 x 64 inches	1
43	7-273-27	Clamp, Half Set, 3/8 Twin Hose	1
44	7-273-23	Top Plate, 3/8 Hose Clamp	1
45	6-5205-14	Cap Screw, 5/16 NC x 1.75 inches	1
46	6-6450-08	Fitting, 06 OR x 06 JIC, Straight	1
47	6-6453-06	Fitting, 06 OR x 06 JIC 90°	1
48	7-234-35	Dual Check Valve	1
49	6-5605-20	Cap Screw, SH, 5/16 NC x 2.5 inches	2
50	6-6214-05	Lock Washer, 5/16 Hi-Collar	2
51	6-6493-02	Fitting, 06 OR x 06 Tube, 90°	1
52	1-1065	Formed Tube, 3/8 x 6.125 inches	1
53	6-6493-02	Fitting, 06 OR x 06 Tube, 90°	1
54	7-379-01	Cylinder, Rotate	Ref.
55	7-234-103	Needle Valve Assembly (includes items 4 and 5)	1
56	7-299-08	Hose Armor, 1 ID	28 inches

Figure	Rev	Description
807.1	A	Hose Roller Assembly



Item	Part No.	Description	Qty.
1	3-1222-2	Pin, Hose Roller, Weld-on	1
2	2-1065P	Sheave, Plastic	1
3	7-239-04	Retaining Ring	1

California Proposition 65

WARNING

The exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Distributed By:

Genie North America
Phone 906.353.6675
Toll Free USA and Canada 800.906.6174
Fax 906.353.7912

Genie Australia Pty Ltd.
Phone +61 7 3375 1660
Fax +61 7 3375 1002

Genie China
Phone +86 21 53852570
Fax +86 21 53852569

Genie Malaysia
Phone +65 98 480 775
Fax +65 67 533 544

Genie Japan
Phone +81 3 3453 6082
Fax +81 3 3453 6083

Genie Korea
Phone +82 25 587 267
Fax +82 25 583 910

Genie Brasil
Phone +55 11 41 665 755
Fax +55 11 41 665 754

Genie Holland
Phone +31 183 581 102
Fax +31 183 581 566

Genie Scandinavia
Phone +46 31 575100
Fax +46 31 579020

Genie France
Phone +33 (0)2 37 26 09 99
Fax +33 (0)2 37 26 09 98

Genie Iberica
Phone +34 93 579 5042
Fax +34 93 579 5059

Genie Germany
Phone +49 (0)4202 88520
Fax +49 (0)4202 8852-20

Genie U.K.
Phone +44 (0)1476 584333
Fax +44 (0)1476 584334

Genie Mexico City
Phone +52 55 5666 5242
Fax +52 55 5666 3241

Parts Manual GTH-636 (GTH-636 from serial number GTH0606A-8418)

Part No. 97499

Rev A

Genie
A TEREX COMPANY